

Прилог

Чедомир Петровић

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Извори за импакт фактор: кобсон база података и <https://www.scijournal.org/>
Извори за СНИП: <https://plus.si.cobiss.net/opac7/snip> и
<https://www.journalindicators.com/indicators>

За 2021 годину узимани су подаци из последње године која је доступна (2020.).

Радови у журналима који немају М категоризацију (15 радова) нису узети у обзир у табели али су наведени у листи публикација. Укупно 271 рад са категоризацијом (цела каријера) или 233 рада са категоризацијом (последњих 15 година од 1. јуна 2006.).

Укупна каријера: **M21a: тамно зелено (51) M21: светло зелено (179) M22 тамно плаво (30) M23 светло плаво (11)**

Последњих 15 година: **M21a: тамно зелено (33) M21: светло зелено (167) M22 тамно плаво (22) M23 светло плаво (11)**

ИФ: импакт фактор

M_i/A_i: Број поена рада по броју аутора рада

I_i/A_i: Импакт фактор часописа подељен са бројем аутора рада

C_i/A_i: СНИП фактор часописа подељен са бројем аутора рада

286. Optimal carrier concentration for FeSb₂ colossal thermopower

Qianheng Du and Cedomir Petrovic

[Applied Physics Letters 118, 233901 \(2021\)](#)

Број бодова = 8 ИФ: 3.597 СНИП:1.252

M_i/A_i = 4.000 I_i/A_i = 1.798 C_i/A_i = 0.626

285. Magnetic critical behavior and anomalous Hall effect in 2H-Co_{0.22}TaS₂ single crystals

Yu Liu, Zhixiang Hu, Eli Stavitski, Klaus Attenkofer and C. Petrovic

[Phys. Rev. Research 3, 023181 \(2021\)](#)

Нема категоризацију

284. Surface oxidation in a van der Waals ferromagnet Fe_{3-x}GeTe₂

Dong Seob Kim, Jung Yun Kee, Ji-Eun Lee, Yu Liu, Younghak Kim, Namdong Kim,

Choongyu Hwang, Wondong Kim, Cedomir Petrovic, Dong Ryeol Lee, Chaun Jang, Hyejin

Ryu, Jun Woo Choi

[Current Applied Physics, 5, 3 \(2021\).](#)

Број бодова 5/(1+0.2(13-7)) = 2.27 ИФ: 2.325 СНИП:0.77

M_i/A_i=0.175 I_i/A_i = 0.179 C_i/A_i = 0.059

283. Three-dimensional ferromagnetism and magnetotransport in van der Waals Mn-Intercalated tantalum disulfide

Yu Liu, Zhixiang Hu, Eli Stavitski, Klaus Attenkofer, C. Petrovic

[Physical Review B 103, 144432 \(2021\).](#)

Број бодова = 8 ИФ: 3.575 СНИП:1.03
 $M_i/A_i=2.000$ $H_i/A_i = 0.894$ $C_i/A_i = 0.2575$

282. Suppression of thermal conductivity and electronic correlations in $Fe_{1-x}Ru_xSb_2$ ($0 \leq x \leq 0.6$)

Qianheng Du, Xiao Tong, Yu Liu, C. Petrovic
[Applied Physics Letters 118, 171904 \(2021\).](#)

Број бодова = 8 ИФ: 3.597 СНИП:1.14
 $M_i/A_i=2.000$ $H_i/A_i = 0.899$ $C_i/A_i = 0.285$

281. Ingredients for enhanced thermoelectric power at cryotemperatures in the correlated semiconductor CoSbS revealed by its optical response

R. Yang, M. Corasaniti, L. Wu, Q. Du, Y. Zhu, C. Petrovic, L Degiorgi
[Physical Review B 103, L161111 \(2021\).](#)

Број бодова = 8 ИФ: 3.575 СНИП:1.03
 $M_i/A_i=1.143$ $H_i/A_i = 0.511$ $C_i/A_i = 0.147$

280. Electronic properties of the bulk and surface states of $Fe_{1+y}Te_{1-x}Se_x$

Yangmu Li, Nader Zaki, Vasile O. Garlea, Andrei T. Savici, David Fobes, Zhijun Xu, Fernando Camino, Cedomir Petrovic, Genda Gu, Peter D. Johnson, John M. Tranquada and Igor A. Zaliznyak
[Nature Materials \(2021\).](#)

Број бодова $10/(1+0.2(12-7)) = 5$ ИФ:38.663 СНИП:6.83
 $M_i/A_i=0.417$ $H_i/A_i = 3.222$ $C_i/A_i = 0.569$

279. Synthesis and Characterization of Ultrathin $FeTe_2$ Nanocrystals

Dana Capitano, Zixiang Hu, Yu Liu, Xiao Tong, Dmytro Nykypanchuk, Donald DiMarzio, C. Petrovic
[ACS Omega 6, 16 \(10537\) \(2021\).](#)

Број бодова = 5 ИФ: 2.87 СНИП:0.83
 $M_i/A_i=0.714$ $H_i/A_i = 0.41$ $C_i/A_i = 0.118$

278. Quantization of the band at the surface of charge density wave material $2H-TaSe_2$

Man Li, Nan Xu, Jianfeng Zhang, Rui Lou, Ming Shi, Lijun Li, Hechang Lei, Cedomir Petrovic, Zhonghao Liu, Kai Liu, Yaobo Huang, Shancai Wang
[Chinese Physics B 30, 047305 \(2021\).](#)

Број бодова $3/(1+0.2(12-7)) = 1.5$ ИФ: 1.223 СНИП:0.55
 $M_i/A_i=0.125$ $H_i/A_i = 0.102$ $C_i/A_i = 0.046$

277. Vacancy defect control of colossal thermopower in $FeSb_2$

Qianheng Du, Lijun Wu, Huibo Cao, Chang-Jong Kang, Christie Nelson, Gheorghe Lucian Pascut, Tiglet Besara, Theo Siegrist, Kristjan Haule, Gabriel Kotliar, Igor Zaliznyak, Yimei Zhu, Cedomir Petrovic
[npj Quantum Materials 6, 13 \(2021\).](#)

Број бодова $8/(1+0.2(13-7)) = 3.64$ ИФ: 6.562 СНИП:1.64
 $M_i/A_i=0.280$ $H_i/A_i = 0.505$ $C_i/A_i = 0.126$

276. Anomalous Hall effect in the weak-itinerant ferrimagnet $FeCr_2Te_4$

Yu Liu, Hengxin Tan, Zhixiang Hu, Binghai Yan, C Petrovic
[Phys. Rev. B 103, 045106 \(2021\).](#)

Број бодова = 8 ИФ: 3.575 СНИП:1.03

$M_i/A_i=1.600$ $H_i/A_i = 0.715$ $C_i/A_i = 0.206$

275. Homochiral Skyrmionic Bubbles in Exfoliated 2D Van Der Waals $\text{Cr}_2\text{Ge}_2\text{Te}_6$

Myung-Geun Han, Joseph Garlow, Yimei Zhu, Huiqin Zhang, Yu Liu, Donald DiMarzio, Cedimir Petrovic, Deep Jariwala

[Microscopy and Microanalysis 26, 2138 \(2020\).](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 1.863 СНИП:0.80

$M_i/A_i=0.834$ $H_i/A_i = 0.233$ $C_i/A_i = 0.100$

274. Nonequilibrium Electron and Lattice Dynamics of Strongly Correlated Quantum Materials

T Konstantinova, Lijun Wu, Junjie Li, Jing Tao, G Gu, C Petrovic, Xiaozhe Shen, Xijie Wang, Yimei Zhu

[Microscopy and Microanalysis 26, 210 \(2020\).](#)

Број бодова $8/(1+0.2(9-7)) = 5.71$ ИФ: 1.863 СНИП:0.80

$M_i/A_i=0.634$ $H_i/A_i = 0.207$ $C_i/A_i = 0.089$

273. High Fermi velocities and small cyclotron masses in LaAlGe

Zhixiang Hu, Qianheng Du, Yu Liu, D. Graf and C. Petrovic

[Applied Physics Letters 117, 222410 \(2020\).](#)

Број бодова = 8 ИФ: 3.597 СНИП:1.14

$M_i/A_i=1.600$ $H_i/A_i = 0.719$ $C_i/A_i = 0.228$

272. Superconducting mechanism in CeCoIn_5 revisited

T.J. Reber, J.D. Rameau, C. Petrovic, Hasnain Hafiz, M. Lindroos, A. Bansil, P.D. Johnson

[Physical Review B 102, 205112 \(2020\).](#)

Број бодова = 8 ИФ: 3.575 СНИП:1.03

$M_i/A_i=1.143$ $H_i/A_i = 0.511$ $C_i/A_i = 0.147$

271. Short range order in VI_3

Sanja Djurdjic Mijin, AM Milinda Abeykoon, Andrijana Solajic, Ana Milosavljevic, Jelena Pesic, Yu Liu, Cedimir Petrovic, Zoran V Popovic, Nenad Lazarevic

[Inorganic Chemistry 59, 16265 \(2020\).](#)

Број бодова $10/(1+0.2(9-7)) = 7.14$ ИФ: 4.868 СНИП:1.11

$M_i/A_i=0.793$ $H_i/A_i = 0.541$ $C_i/A_i = 0.123$

270. Surface conductivity in antiferromagnetic semiconductor CrSb_2

Qianheng Du, Huixia Fu, Junzhang Ma, A Chikina, M Radovic, Binghai Yan, C Petrovic

[Phys. Rev. Research 4, 043085 \(2020\).](#)

Нема категоризацију

269. Magnetic mixed valent semimetal EuZnSb_2 with Dirac states in the band structure.

Aifeng Wang, Sviatoslav Baranets, Yu Liu, Xiao Tong, E Stavitski, Jing Zhang, Yisheng Chai, Wei-Guo Yin, Svilen Bobev, C Petrovic

[Phys. Rev. Research 2, 033462 \(2020\).](#)

Нема категоризацију

268. Valence band electronic structure of the van der Waals ferromagnetic insulators: VI_3 and CrI_3

Ashish Kundu, Yu Liu, C. Petrovic and T. Valla

[Scientific Reports 10, 15602 \(2020\).](#)

Број бодова = 8 ИФ: 3.998 СНИП:1.38
 $M_i/A_i=2.000$ $I_i/A_i = 0.999$ $C_i/A_i = 0.345$

267. **Room-Temperature Skyrmion Thermopower in Fe_3Sn_2**
Qianheng Du, Myung-Geun Han, Yu Liu, Weijun Ren, Yimei Zhu and C. Petrovic
[Advanced Quantum Technologies 3, 2000058 \(2020\).](#)
Нема категоризацију
266. **Band gap crossover and insulator-metal transition in the compressed layered CrPS_4**
Resta Susilo, Bo Gyu Jang, Jiajia Feng, Qianheng Du, Zhipeng Yan, Hongliang Dong, Mingzhi Yuan, Cedimir Petrovic, Ji Hoon Shim, DuckYoung Kim, and Bin Chen
[npj Quantum Materials 5, 58 \(2020\).](#)
Број бодова $8/(1+0.2(11-7)) = 4.44$ ИФ: 6.562 СНИП:1.64
 $M_i/A_i=0.404$ $I_i/A_i = 0.596$ $C_i/A_i = 0.149$
265. **Vacancies and spin phonon coupling in $\text{CrSi}_{0.8}\text{Ge}_{0.2}\text{Te}_3$**
Ana Milosavljevic, Andrijana Solajic, Bojana Visic, Marko Opacic, Jelena Pesic, Yu Liu, Cedimir Petrovic, Nenad Lazarevic and Zoran V. Popovic
[Journal of Raman Spectroscopy 51, 2153 \(2020\).](#)
Број бодова $5/(1+0.2(9-7)) = 3.57$ ИФ: 2.000 СНИП:0.93
 $M_i/A_i=0.396$ $I_i/A_i = 0.222$ $C_i/A_i = 0.103$
264. **Three-dimensional Ising ferrimagnetism of Cr-Fe-Cr trimers in FeCr_2Te_4**
Yu Liu, R. J. Koch, Zhixiang Hu, Niraj Aryal, Eli Stavitski, Xiao Tong, Klaus Attenkofer, E. S. Bozin, Weiguo Yin and C. Petrovic
[Physical Review B 102, 085158 \(2020\).](#)
Број бодова $8/(1+0.2(10-7)) = 5$ ИФ: 3.575 СНИП:1.03
 $M_i/A_i=0.500$ $I_i/A_i = 0.3575$ $C_i/A_i = 0.103$
263. **Anisotropic magnetocaloric effect and critical behavior in CrCl_3**
Yu Liu and C. Petrovic
[Physical Review B 102, 014424 \(2020\).](#)
Број бодова = 8 ИФ: 3.575 СНИП:1.03
 $M_i/A_i=4.000$ $I_i/A_i = 1.7875$ $C_i/A_i = 0.515$
262. **Anisotropic magnetocaloric effect and critical behavior in CrSbSe_3**
Yu Liu, Zhixiang Hu and C. Petrovic
[Physical Review B 102, 014425 \(2020\).](#)
Број бодова = 8 ИФ: 3.575 СНИП:1.03
 $M_i/A_i=2.667$ $I_i/A_i = 1.192$ $C_i/A_i = 343$
261. **Three-dimensional Fermi surface and small effective masses in $\text{Mo}_8\text{Ga}_{41}$**
Zhixiang Hu, D. Graf, Yu Liu and C. Petrovic
[Applied Physics Letters 116, 202601 \(2020\).](#)
Број бодова = 8 ИФ: 3.597 СНИП:1.14
 $M_i/A_i=2.000$ $I_i/A_i = 0.899$ $C_i/A_i = 0.285$
260. **The electric pulses induced multi-resistance states in the hysteresis temperature range of 1T-TaS_2 and $1\text{T-TaS}_{1.6}\text{Se}_{0.4}$**
Yongchang Ma, Dong Wu, Cuimin Lu and Cedimir Petrovic
[Applied Physics Letters 116, 171906 \(2020\).](#)

Број бодова = 8 ИФ: 3.597 СНИП:1.14

$M_i/A_i=2.000$ $\mu_i/A_i = 0.899$ $C_i/A_i = 0.285$

259. Spin-canting induced band reconstruction in the Dirac material $\text{Ca}_{1-x}\text{Na}_x\text{MnBi}_2$

R. Yang, M. Corasaniti, C. C. Le, Z. Y. Liao, A. F. Wang, Q. S. Du, C. Petrovic, X. G. Qiu, J. P. Hu and L. Degiorgi

[Physical Review Letters 124, 137201 \(2020\).](#)

Број бодова $10/(1+0.2(10-7)) = 6.25$ ИФ: 8.385 СНИП:2.36

$M_i/A_i=0.625$ $\mu_i/A_i = 0.838$ $C_i/A_i = 0.236$

258. Enhanced Magnetization from Proton Irradiated $\text{Mn}_3\text{Si}_2\text{Te}_6$ van der Waals crystals

L. M. Martinez, H. Iturriaga, R. Olmos, L. Shao, Yu Liu, Thuc T. Mai, C. Petrovic, Angela R. Hight Walker and S. R. Singamaneni

[Applied Physics Letters 116, 172404 \(2020\).](#)

Број бодова $8/(1+0.2(9-7)) = 5.71$ ИФ: 3.597 СНИП:1.14

$M_i/A_i=0.634$ $\mu_i/A_i = 0.400$ $C_i/A_i = 0.127$

257. Correlated Electronic Structure of Colossal Thermopower FeSb_2 : An ARPES and *ab initio* study

A. Chikina, J.-Z. Ma, W. H. Brito, S. Choi, P. Semon, A. Kutepov, Q. Du, J. Jandke, H. Liu, N. C. Plumb, M. Shi, C. Petrovic, M. Radovic and G. Kotliar

[Phys. Rev. Research 2, 023190 \(2020\).](#)

Нема категоризацију

256. Physical Properties of half-Heusler antiferromagnet MnPtSn single crystal

Qi Wang, Qianheng Du, C. Petrovic and Hechang Lei

[Chinese Physics Letters 37, 027502 \(2020\).](#)

Број бодова = 3 ИФ: 1.080 СНИП:0.50

$M_i/A_i=0.75$ $\mu_i/A_i = 0.27$ $C_i/A_i = 0.125$

255. Crystal size effects on giant thermopower in CrSb_2

Qianheng Du, David Guzman, Sangkook Choi and C. Petrovic

[Phys. Rev. B 101, 035125 \(2020\).](#)

Број бодова = 8 ИФ: 3.575 СНИП:1.03

$M_i/A_i=2.000$ $\mu_i/A_i = 0.894$ $C_i/A_i = 0.257$

254. Signatures of coupling between spins and Dirac fermions in magnetic excitations of YbMnBi_2

A. Sapkota, L. Classen, A. T. Savici, V. O. Garlea, M. B. Stone, J. M. Tranquada, C. Petrovic and I. Zaliznyak

[Phys. Rev. B 101, 041111 \(2020\).](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 3.575 СНИП:1.03

$M_i/A_i=0.833$ $\mu_i/A_i = 0.447$ $C_i/A_i = 0.128$

253. Controlling the Magnetic Anisotropy of the van der Waals ferromagnet Fe_3GeTe_2 through hole doping

Se Yong Park, Dongseob Kim, Yu Liu, Jinwoong Hwang, Younghak Kim, Wondong Kim, Jae-Young Kim, Cedimir Petrovic, Choongyu Hwang, Sung-Kwan Mo, Hyuung-jun Kim, Byoung-Chul Min, Hyun Cheol Koo, Joonyeon Chang, Chaun Jang, Jun Woo Choi and Hyejin Ryu

[Nano Letters 20, 95 \(2020\).](#)

Број бодова $10/(1+0.2(17-7)) = 3.33$ ИФ: 11.238 СНИП:2.08
 $M_i/A_i=0.196$ $I_i/A_i = 0.661$ $C_i/A_i = 0.122$

252. Critical behavior and magnetocaloric effect in VI_3

Yu Liu, Milinda Abeykoon and C. Petrovic

[Phys. Rev. Research 2, 013013 \(2020\).](#)

Нема категоризацију

251. Magnetic anisotropy and entropy change in trigonal Cr_5Te_8

Yu Liu, Eli Stavitskii, Milinda Abeykoon, Klaus Attenkofer and C. Petrovic

[Phys. Rev. B 100, 245114 \(2019\).](#)

Број бодова = 8 ИФ: 3.575 СНИП:1.025

$M_i/A_i=1.600$ $I_i/A_i = 0.715$ $C_i/A_i = 0.205$

250. X-ray assisted scanning tunneling microscopy and its applications for materials science

Hui Yan, Nozomi Shirato, Xiangde Zhu, Daniel Rosenmann, Xiao Tong, Weihe Xu,

Cedomir Petrovic, Volker Rose, and Evgeny Nazaretski

[Crystals 9, 588 \(2019\).](#)

Нема категоризацију ИФ: 2.467 СНИП:0.90

249. Topological magnetic spin textures in two-dimensional van der Waals $Cr_2Ge_2Te_6$

Myung-Geun Han, Joseph A. Garlow, Yu Liu, Huiqin Zhang, Jun Li, Donald DiMarzio,

Mark Knight, Cedomir Petrovic, Deep Jariwala and Yimei Zhu

[Nano Letters 19, 7859 \(2019\)](#)

Број бодова $10/(1+0.2(10-7)) = 6.25$ ИФ: 11.238 СНИП:2.25

$M_i/A_i=0.625$ $I_i/A_i = 1.124$ $C_i/A_i = 0.225$

248. Magnetic-field control of topological electronic response near room temperature in correlated Kagome magnets

Yangmu Li, Qi Wang, Lisa DeBeer-Schmitt, Zurab Guguchia, Ryan D. Desautels, Jiaxin

Yin, Qianheng Du, Weijun Ren, Xinguo Zhao, Zhidong Zhang, Igor A. Zaliznyak, Cedomir

Petrovic, Weiguo Yin, M. Zahid Hasan, Hechang Lei, John M. Tranquada

[Phys. Rev. Lett. 123, 196604 \(2019\)](#)

Број бодова $10/(1+0.2(16-7)) = 3.57$ ИФ: 8.385 СНИП:2.370

$M_i/A_i=0.223$ $I_i/A_i = 0.524$ $C_i/A_i = 0.148$

247. Thickness-dependent magnetic order in CrI_3 single crystals

Yu Liu, Lijun Wu, Xiao Tong, Jun Li, Jing Tao, Yimei Zhu and C. Petrovic

[Scientific Reports 9, 13599 \(2019\).](#)

Број бодова = 8 ИФ: 3.998 СНИП:1.365

$M_i/A_i=1.143$ $I_i/A_i = 0.571$ $C_i/A_i = 0.195$

246. Anisotropic magnetocaloric effect in $Fe_{3-x}GeTe_2$

Yu Liu, Jun Li, Jing Tao, Yimei Zhu and C. Petrovic

[Scientific Reports 9, 13233 \(2019\).](#)

Број бодова = 8 ИФ: 3.998 СНИП:1.365

$M_i/A_i=1.600$ $I_i/A_i = 0.800$ $C_i/A_i = 0.273$

245. Correlated disorder to order crossover in the local structure of $K_xFe_{2-y}Se_{2-z}S_z$

P. Mangels, R. J. Koch, H. Lei, R. B. Neder, M. T. McDonnell, M. Feyngenson, C. Petrovic,

A. Lappas and E. S. Bozin

[Phys. Rev. B 100, 094108 \(2019\).](#)

Број бодова $8/(1+0.2(9-7)) = 5.71$ ИФ: 3.575 СНИП:1.025

$M_i/A_i=0.634$ $I_i/A_i = 0.397$ $C_i/A_i = 0.114$

244. Low Temperature Thermopower in CoSbS

Qianheng Du, Milinda Abeykoon, Yu Liu, G. Kotliar and C. Petrovic

[Phys. Rev. Lett. 123, 076602 \(2019\).](#)

Број бодова = 10 ИФ: 8.385 СНИП:2.370

$M_i/A_i=2.000$ $I_i/A_i = 1.677$ $C_i/A_i = 0.474$

243. Local orbital degeneracy lifting as a precursor to an orbital-selective Peierls transition

E. S. Bozin, W. G. Yin, R. J. Koch, M. Abeykoon, Y. S. Hor, H. Zheng, H. C. Lei, C.

Petrovic, J. F. Mitchell and S. J. L. Billinge

[Nature Communications 10, 3638 \(2019\).](#)

Број бодова $10/(1+0.2(10-7)) = 6.25$ ИФ: 12.298 СНИП:1.025

$M_i/A_i=0.625$ $I_i/A_i = 1.223$ $C_i/A_i = 0.102$

242. Room temperature local nematicity in FeSe superconductor

R. J. Koch, T. Konstantinova, M. Abeykoon, A. Wang, C. Petrovic, Y. Zhu, E. S. Bozin and S. J. L. Billinge

[Phys. Rev. B 100, 020501 \(2019\).](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 3.575 СНИП:1.025

$M_i/A_i=0.833$ $I_i/A_i = 0.447$ $C_i/A_i = 0.128$

241. Fermi surface gapping in the Dirac material $\text{Ca}_{1-x}\text{Na}_x\text{MnBi}_2$

M. Corasaniti, R. Yang, A. Pal, M. Chinotti, L. Degiorgi, A. Wang, and C. Petrovic

[Phys. Rev. B 100, 041107 \(2019\).](#)

Број бодова = 8 ИФ: 3.575 СНИП:1.025

$M_i/A_i=1.143$ $I_i/A_i = 0.511$ $C_i/A_i = 0.146$

240. Lattice dynamics and phase transitions in $\text{Fe}_{3-x}\text{GeTe}_2$

A. Milosavljevic, A. Solajic, S. Djurdjic-Mijin, J. Pesic, B. Visic, Yu Liu, C. Petrovic and Z. V. Popovic

[Phys. Rev. B 99, 214304 \(2019\).](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 3.575 СНИП:1.025

$M_i/A_i=0.834$ $I_i/A_i = 0.447$ $C_i/A_i = 0.128$

239. Photoinduced ultrafast dynamics of local nematicity and lattice distortions in FeSe crystals

T. Konstantinova, L. Wu, M. Abeykoon, R. J. Koch, A. F. Wang, R. K. Li, X. Shen, J. Li, J. Tao, I. A. Zaliznyak, C. Petrovic, S. J. L. Billinge, X. J. Wang, E. S. Bozin and Y. Zhu

[Phys. Rev. B 99, 180102 \(2019\).](#)

Број бодова $8/(1+0.2(15-7)) = 3.08$ ИФ: 3.575 СНИП:1.025

$M_i/A_i=0.205$ $I_i/A_i = 0.112$ $C_i/A_i = 0.068$

238. Phonon anomalies and magnetic excitations in $\text{BaFe}_2\text{Se}_2\text{O}$

Feng Jin, Nenad Lazarevic, Changlie Liu, Jianting Ji, Yimeng Wang, Shuna He, Hechang Lei, Cedomir Petrovic, Rong Yu, Zoran V. Popovic and Qingming Zhang

[Phys. Rev. B 99, 144419 \(2019\).](#)

Број бодова $8/(1+0.2(11-7)) = 4.44$ ИФ: 3.575 СНИП:1.025

$M_i/A_i=0.404$ $I_i/A_i = 0.325$ $C_i/A_i = 0.093$

237. **Relaxing Kondo screened Kramers-doublets in CeRhSi₃**
 J. Pasztorova, A. Howell, M. Songvilay, P. M. Sarte, J. A. Rodriguez-Rivera, A. M. Arevalo-Lopez, K. Schmalzl, A. Schneidewind, S. R. Dunsiger, D. K. Singh, C. Petrovic, R. Hu and C. Stock
[Phys. Rev. B 99, 125144 \(2019\).](#)
Број бодова 8/(1+0.2(13-7)) = 3.64 ИФ: 3.575 СНИП:1.025
 $M_i/A_i = 0.28$ $\mu_i/A_i = 0.275$ $C_i/A_i = 0.079$
236. **Fe_{0.36(4)}Pd_{0.64(4)}Se₂: Magnetic Spin-Glass Polymorph of FeSe₂ and PdSe₂ Stable at Ambient Pressure**
 Jianjun Tian, Valentin N. Ivanovski, David Szalda, Hechang Lei, Aifeng Wang, Yu Liu, Weifeng Zhang, Vasil Koteski and Cedomir Petrovic
[Inorganic Chemistry 58, 3107 \(2019\).](#)
Број бодова 10/(1+0.2(9-7)) = 7.14 ИФ:4.825 СНИП:1.16
 $M_i/A_i=0.793$ $\mu_i/A_i = 0.536$ $C_i/A_i = 0.129$
235. **Negative differential resistance and quantum oscillations in FeSb₂ with embedded Sb**
 Fangdong Tang, Qianheng Du, Cedomir Petrovic, Wei Zhang, Minquan He and Liyuan Zhang
[Chin. Phys. B 28, 037104 \(2019\).](#)
Број бодова = 3 ИФ: 1.223 СНИП:0.528
 $M_i/A_i=0.500$ $\mu_i/A_i = 0.204$ $C_i/A_i = 0.088$
234. **Intertwined magnetic and nematic orders in semiconducting KFe_{0.8}Ag_{1.2}Te₂**
 Yu Song, Huibo Cao, B. C. Chakoumakos, Yang Zhao, Aifeng Wang, Hechang Lei, C. Petrovic and R. J. Birgenau
[Phys. Rev. Lett. 122, 087201 \(2019\).](#)
Број бодова 10/(1+0.2(8-7)) = 8.33 ИФ:8.385 СНИП:2.370
 $M_i/A_i=1.041$ $\mu_i/A_i = 1.048$ $C_i/A_i = 0.296$
233. **Anisotropic magnetic entropy change in Cr₂X₂Te₆ (X = Si and Ge)**
 Yu Liu and C. Petrovic
[Phys. Rev. Materials 3, 014001 \(2019\).](#)
Број бодова = 5 ИФ: 3.337 СНИП:1.139
 $M_i/A_i=2.500$ $\mu_i/A_i = 1.669$ $C_i/A_i = 0.569$
232. **Disorder Quenching of the Charge Density Wave in ZrTe₃**
 Moritz Hoesch, Liam Gannon, Kenya Shimada, Benjamin J. Paret, Matthew D. Watson, Timur K. Kim, Xiangde Zhu and C. Petrovic
[Phys. Rev. Lett. 122, 017601 \(2019\).](#)
Број бодова 10/(1+0.2(8-7)) = 8.33 ИФ: 8.385 СНИП:2.370
 $M_i/A_i=1.041$ $\mu_i/A_i = 1.049$ $C_i/A_i = 0.569$
231. **Observation of multiple metastable states induced by electric pulses in the hysteresis temperature range of 1T-TaS₂**
 Yongchang Ma, Zequn Wang, Yanhui Hou, Dong Wu, Cuimin Liu and C. Petrovic
[Phys. Rev. B 99, 045102 \(2019\).](#)
Број бодова = 8 ИФ: 3.575 СНИП:1.025
 $M_i/A_i = 1.333$ $\mu_i/A_i = 0.596$ $C_i/A_i = 0.171$

230. **Chasing the Optical Fingerprints of the Weyl semimetal YbMnBi₂ and its Conventional Gapped Semimetal Counterpart EuMnBi₂**
A. Pal, M. Chinotti, W. J. Ren, C. Petrovic and L. Degiorgi
[Solid State Phenomena 289, 134 \(2019\).](#)
Нема категоризацију
229. **Anomalous Hall effect in the trigonal Cr₅Te₈ single crystal**
Yu Liu and C. Petrovic
[Phys. Rev. B 98, 195122 \(2018\).](#)
Број бодова = 8 ИФ: 3.736 СНИП:1.097
M_i/A_i = 2.000 И_i/A_i = 1.688 C_i/A_i = 0.548
228. **Anisotropic Dirac Fermions in BaMnBi₂ and BaZnBi₂**
Hyejin Ryu, Se Young Park, Lijun Li, Weijun Ren, Jeffrey B. Neaton, Cedimir Petrovic, Choongyu Hwang and Sung-Kwan Mo
[Scientific Reports 8, 15322 \(2018\).](#)
Број бодова 8/(1+0.2(8-7)) = 6.25 ИФ: 4.011 СНИП:1.274
M_i/A_i = 0.781 И_i/A_i = 0.501 C_i/A_i = 0.159
227. **Phase separation at the dimer-superconductor transition in Ir_{1-x}Rh_xTe₂**
R. Yu, S. Banerjee, H. Lei, M. Abeykoon, C. Petrovic, Z. Guguchia and E. S. Bozin
[Phys. Rev. B 98, 134506 \(2018\).](#)
Број бодова = 8 ИФ: 3.736 СНИП:1.097
M_i/A_i = 1.333 И_i/A_i = 0.626 C_i/A_i = 0.183
226. **Evidence of spin-phonon coupling in CrSiTe₃**
A. Milosavljevic, A. Solajic, J. Pesic, Yu Liu, C. Petrovic, N. Lazarevic and Z. V. Popovic
[Phys. Rev. B 98, 104306 \(2018\).](#)
Број бодова = 8 ИФ: 3.736 СНИП:1.097
M_i/A_i = 1.143 И_i/A_i = 0.534 C_i/A_i = 0.156
225. **Lattice dynamics and phase transition in CrI₃ single crystals**
S. Djurdjic-Mijin, A. Solajic, J. Pesic, M. Scepanovic, Y. Liu, A. Baum, C. Petrovic, N. Lazarevic and Z. V. Popovic
[Phys. Rev. B 98, 104307 \(2018\).](#)
Број бодова 8/(1+0.2(9-7)) = 5.71 ИФ: 3.736 СНИП:1.097
M_i/A_i = 0.634 И_i/A_i = 0.415 C_i/A_i = 0.122
224. **Thermoelectric studies of Ir_{1-x}Rh_xTe₂ (0 ≤ x ≤ 0.3)**
Yu Liu, Hechang Lei, Kefeng Wang, Milinda Abeykoon, J. B. Warren, Emil Bozin, and C. Petrovic
[Phys. Rev. B 98, 094519 \(2018\).](#)
Број бодова = 8 ИФ: 3.736 СНИП:1.097
M_i/A_i = 1.142 И_i/A_i = 0.534 C_i/A_i = 0.171
223. **Observation of cyclotron antiresonance in the topological insulator Bi₂Te₃**
S. V. Dordevic, Hechang Lei, C. Petrovic, J. Ludwig, Z. Q. Li, and D. Smirnov
[Phys. Rev. B 98, 115138 \(2018\).](#)
Број бодова = 8 ИФ: 3.736 СНИП:1.097
M_i/A_i = 1.333 И_i/A_i = 0.623 C_i/A_i = 0.171

222. **Fermi surface reconstruction and dimensional topology change in Nd-doped CeCoIn₅**
 J. Klotz, K. Götze, I. Sheikin, T. Förster, D. Graf, J.-H. Park, E. S. Choi, R. Hu, C. Petrovic, J. Wosnitzer, and E. L. Green
[Phys. Rev. B 98, 081105 \(2018\).](#)
Број бодова $8/(1+0.2(11-7)) = 4.44$ ИФ: 3.736 СНИП:1.097
 $M_i/A_i = 0.404$ $H_i/A_i = 0.340$ $C_i/A_i = 0.010$
221. **Critical behavior and magnetocaloric effect in Mn₃Si₂Te₆**
 Yu Liu and C. Petrovic
[Phys. Rev. B 98, 064423 \(2018\).](#)
Број бодова = 8 ИФ: 3.736 СНИП:1.097
 $M_i/A_i = 4.000$ $H_i/A_i = 1.868$ $C_i/A_i = 0.548$
220. **Unusual electronic and vibrational properties in the colossal thermopower material FeSb₂**
 C. C. Homes, Q. Du, C. Petrovic, W. H. Brito, S. Choi and G. Kotliar
[Scientific Reports 8, 11692 \(2018\).](#)
Број бодова = 8 ИФ: 4.011 СНИП:1.274
 $M_i/A_i = 1.333$ $H_i/A_i = 0.668$ $C_i/A_i = 0.212$
219. **On the Nanoscale Structure of K_xFe_{2-y}Ch₂ (Ch = S, Se): A Neutron Pair Distribution Function View**
 Panagiotis Mangelis Hechang Lei, Marshall T. McDonnell, Mikhail Feygenson, Cedimir Petrovic, Emil S. Bozin and Alexandros Lappas
[Condens. Matter 3, 20 \(2018\).](#)
Нема категоризацију
218. **Anisotropic magnetocaloric effect in single crystals of CrI₃**
 Yu Liu and C. Petrovic
[Phys. Rev. B 97, 174418 \(2018\).](#)
Број бодова = 8 ИФ: 3.736 СНИП:1.097
 $M_i/A_i = 4.000$ $H_i/A_i = 1.868$ $C_i/A_i = 0.548$
217. **Absence of local fluctuating dimers in superconducting Ir_{1-x}(Pt,Rh)_xTe₂**
 Runze Yu, S. Banerjee, H. C. Lei, Ryan Sinclair, M. Abeykoon, H. D. Zhou, C. Petrovic Z. Guguchia and E. Bozin
[Phys. Rev. B 97, 174515 \(2018\).](#)
Број бодова $8/(1+0.2(9-7)) = 5.71$ ИФ: 3.736 СНИП:1.097
 $M_i/A_i = 0.634$ $H_i/A_i = 0.415$ $C_i/A_i = 0.122$
216. **Possible origin of nonlinear conductivity and large dielectric constant in the commensurate charge density wave phase of 1T-TaS₂**
 Yongchang Ma, Yanhui Hou, Cuimin Lu and Cedimir Petrovic
[Phys. Rev. B 97, 195117 \(2018\).](#)
Број бодова = 8 ИФ: 3.736 СНИП:1.097
 $M_i/A_i = 2.000$ $H_i/A_i = 0.934$ $C_i/A_i = 0.274$
215. **Anomalous Hall effect in the van der Waals bonded ferromagnet Fe_{3-x}GeTe₂**
 Yu Liu, Eli Stavitskii, Klaus Attenkofer and C. Petrovic
[Phys. Rev. B 97, 165415 \(2018\).](#)
Број бодова = 8 ИФ: 3.736 СНИП:1.097

$M_i/A_i = 2.000$ $H_i/A_i = 0.934$ $C_i/A_i = 0.274$

214. Polaronic transport and thermoelectricity in $\text{Fe}_{1-x}\text{Co}_x\text{Sb}_2\text{S}_4$ ($x=0,0.1$ and 0.2)

Yu Liu, Chang-Jong Kang, Eli Stavitskii, Qianheng Du, Klaus Attenkofer, G. Kotliar and C. Petrovic

[Phys. Rev. B 97, 155202 \(2018\).](#)

Број бодова = 8 ИФ: 3.736 СНИП:1.097

$M_i/A_i = 1.142$ $H_i/A_i = 0.533$ $C_i/A_i = 0.157$

213. Local corrugation and persistent charge density wave in ZrTe_3 with Ni intercalation

Alex M. Ganose, Liam Gannon, Federica Fabrizi, Hariott Nowell, Sarah A. Barnett, Hechang Lei, Xiangde Zhu, Cedomir Petrovic, David O. Scanlon and Moritz Hoesch

[Phys. Rev. B 97, 155103 \(2018\).](#)

Број бодова $8/(1+0.2(10-7)) = 5$ ИФ: 3.736 СНИП:1.097

$M_i/A_i = 0.500$ $H_i/A_i = 0.374$ $C_i/A_i = 0.108$

212. Phonon anomalies in FeS

A. Baum, A. Milosavljevic, N. Lazarevic, M. M. Radonjic, B. Nikolic, M. Mitschek, Z. Inanloo Maranloo, M. Scepanovic, M. Grujc-Brojcic, N. Stojilovic, M. Opel, Aifeng Wang C. Petrovic, Z. V. Popovic, and R. Hackl

[Phys. Rev. B 97, 054306 \(2018\).](#)

Број бодова $8/(1+0.2(15-7)) = 3.08$ ИФ: 3.736 СНИП:1.097

$M_i/A_i = 0.205$ $H_i/A_i = 0.249$ $C_i/A_i = 0.073$

211. ^{121,123}Sb NQR as a microscopic probe in Te doped correlated semimetal FeSb_2 : Emergence of electronic Griffith phase, magnetism and metallic behavior

A. A. Gippius, S. V. Zhurenko, R. Hu, C. Petrovic and M. Baenitz

[Phys. Rev. B 97, 075118 \(2018\).](#)

Број бодова = 8 ИФ: 3.736 СНИП:1.097

$M_i/A_i = 1.600$ $H_i/A_i = 0.747$ $C_i/A_i = 0.219$

210. Optical properties of YbMnBi_2 : A type II Weyl semimetal candidate

A. Pal, M. Chinotti, L. Degiorgi, W. J. Ren and C. Petrovic

[Physica B 536, 64 \(2018\)](#)

Број бодова = 5 ИФ: 1.874 СНИП:0.817

$M_i/A_i = 1.000$ $H_i/A_i = 0.3748$ $C_i/A_i = 0.163$

209. Three-dimensional magnetic critical behavior in CrI_3

Yu Liu and C. Petrovic

[Phys. Rev. B 97, 014420 \(2018\).](#)

Број бодова = 8 ИФ: 3.736 СНИП:1.097

$M_i/A_i = 4.000$ $H_i/A_i = 1.868$ $C_i/A_i = 0.548$

208. Impact of the charge-density-wave state in the electrodynamic response of $\text{ZrTe}_{3-x}\text{Se}_x$: optical evidence for a pseudogap phase

M. Chinotti, J. Ethiraj, C. Mirri, Xiangde Zhu, Lijun Li, C. Petrovic and L. Degiorgi

[Phys. Rev. B 97, 045117 \(2018\).](#)

Број бодова = 8 ИФ: 3.736 СНИП:1.097

$M_i/A_i = 1.143$ $H_i/A_i = 0.533$ $C_i/A_i = 0.156$

207. Absence of Dirac states in BaZnBi_2 induced by spin-orbit coupling

Weijun Ren, Aifeng Wang, D. Graf, Yu Liu, Zhidong Zhang, Wei-Guo Yin and C. Petrovic
[Phys. Rev. B 97, 035147 \(2018\)](#).

Број бодова = 8 ИФ: 3.736 СНИП:1.097
 $M_i/A_i = 1.143$ $\mu_i/A_i = 0.533$ $C_i/A_i = 0.156$

206. Small influence of magnetic ordering on lattice dynamics in $\text{TaFe}_{1.25}\text{Te}_3$

M. Opacic, N. Lazarevic, D. Tanaskovic, M. M. Radonjic, A. Milosavljevic, Yongchang Ma, C. Petrovic and Z. V. Popovic
[Phys. Rev. B 96, 174303 \(2017\)](#).

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 3.813 СНИП:1.145
 $M_i/A_i = 0.834$ $\mu_i/A_i = 0.477$ $C_i/A_i = 0.143$

205. Magnetotransport properties of MoP_2

Aifeng Wang, D. Graf, Aaron Stein, Yu Liu, Weiguo Yin and C. Petrovic
[Phys. Rev. B 96, 195107 \(2017\)](#).

Број бодова = 8 ИФ: 3.813 СНИП:1.145
 $M_i/A_i = 1.333$ $\mu_i/A_i = 0.6355$ $C_i/A_i = 0.191$

204. Critical behavior of the van der Waals bonded ferromagnet $\text{Fe}_{3-x}\text{GeTe}_2$

Yu Liu, V. N. Ivanovski and C. Petrovic
[Phys. Rev. B 96, 144429 \(2017\)](#).

Број бодова = 8 ИФ: 3.813 СНИП:1.145
 $M_i/A_i = 2.667$ $\mu_i/A_i = 1.271$ $C_i/A_i = 0.382$

203. Critical behavior of quasi-two-dimensional weak itinerant ferromagnet trigonal chromium telluride $\text{Cr}_{0.62}\text{Te}$

Yu Liu and C. Petrovic
[Phys. Rev. B 96, 134410 \(2017\)](#).

Број бодова = 8 ИФ: 3.813 СНИП:1.145
 $M_i/A_i = 4.000$ $\mu_i/A_i = 1.906$ $C_i/A_i = 0.572$

202. The evidence of bound solitons delocalization in $\sigma\text{-TaS}_3$ under dc bias from sum rule

Yongchang Ma, Yanhui Hou, Mengmeng Ma and C. Petrovic
[Physica B 520, 148 \(2017\)](#)

Број бодова = 3 ИФ: 1.453 СНИП:0.778
 $M_i/A_i = 0.75$ $\mu_i/A_i = 0.363$ $C_i/A_i = 0.259$

201. Large magnetoresistance in the type-II Weyl semimetal WP_2

Aifeng Wang, D. Graf, Yu Liu, Qianheng Du, Jibao Zheng, Hechang Lei and C. Petrovic
[Phys. Rev. B 96, 121107 \(2017\)](#)

Број бодова = 8 ИФ: 3.813 СНИП:1.145
 $M_i/A_i = 1.143$ $\mu_i/A_i = 0.545$ $C_i/A_i = 0.163$

200. Interplay of magnetism and superconductivity in the compressed Fe-ladder compound BaFe_2Se_3

Jianjun Ying, Hechang Lei, Cedomir Petrovic, Yuming Xiao and Viktor V. Struzhkin

[Phys. Rev. B 95, 241109 \(2017\)](#)
Број бодова = 8 ИФ: 3.813 СНИП:1.145
 $M_i/A_i = 1.6$ $\mu_i/A_i = 0.763$ $C_i/A_i = 0.229$

199. **Critical behavior of quasi-two-dimensional semiconducting ferromagnet $\text{Cr}_2\text{Ge}_2\text{Te}_6$**
 Yu Liu and C. Petrovic
[Phys. Rev. B 96, 054406 \(2017\)](#)
Број бодова = 8 ИФ: 3.813 СНИП:1.145
 $M_i/A_i = 4.000$ $H_i/A_i = 1.906$ $C_i/A_i = 0.572$
198. **Vortex pinning and irreversibility fields in $\text{FeS}_{1-x}\text{Se}_x$ ($x=0,0.06$).**
 Aifeng Wang and C. Petrovic
[Applied Physics Letters 110, 232601 \(2017\)](#)
Број бодова = 8 ИФ: 3.495 СНИП:1.244
 $M_i/A_i = 4.000$ $H_i/A_i = 1.747$ $C_i/A_i = 0.622$
197. **Normal state above the upper critical field in $\text{Fe}_{1+y}\text{Te}_{1-x}(\text{Se},\text{S})_x$**
 Aifeng Wang, Erik Kampert, H. Saadaoui, H. Luetkens, Rongwei Hu, E. Morenzoni, J. Wosnitza and C. Petrovic
[Phys. Rev. B 95, 184504 \(2017\)](#)
Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 3.813 СНИП:1.145
 $M_i/A_i = 0.834$ $H_i/A_i = 0.477$ $C_i/A_i = 0.143$
196. **Superconducting order from disorder in $2\text{H-TaSe}_{2-x}\text{S}_x$**
 Lijun Li, Xiaoyu Deng, Zhen Wang, Yu Liu, A. M. Milinda Abeykoon, E. Dooryhee, A. Tomic, Yanan Huang, J. B. Warren, E.S. Bozin, S. J. L. Billinge, Y. P. Sun, Yimei Zhu, G. Kotliar and C. Petrovic
[npj Quantum Materials 2, 11 \(2017\)](#)
Нема категоризацију ИФ: 6.652
195. **Magnetic field tuned charge density wave in SmNiC_2 and NdNiC_2**
 Hechang Lei, Kefeng Wang and C. Petrovic
[J. Phys. Condens. Matter 29, 075602 \(2017\)](#)
Број бодова = 5 ИФ: 2.617 СНИП:0.95
 $M_i/A_i = 1.667$ $H_i/A_i = 0.872$ $C_i/A_i = 0.317$
194. **Electrodynamic response of type II Weyl semimetals**
 M. Chinotti, A. Pal, W. J. Ren, C. Petrovic and L. Degiorgi
[Phys. Rev. B 94, 245101 \(2016\)](#)
Број бодова = 8 ИФ: 3.836 СНИП:1.183
 $M_i/A_i = 1.600$ $H_i/A_i = 0.767$ $C_i/A_i = 0.237$
193. **Charge density wave modulation and gap measurements in CeTe_3**
 U. Ralevic, N. Lazarevic, A. Baum, H.-M. Eiter, R. Hackl, P. Giraldo-Gallo, I. R. Fisher, C. Petrovic, R. Gajic and Z. V. Popovic
[Phys. Rev. B 94, 165132 \(2016\)](#)
Број бодова $8/(1+0.2(10-7)) = 5$ ИФ: 3.836 СНИП:1.183
 $M_i/A_i = 0.500$ $H_i/A_i = 0.384$ $C_i/A_i = 0.118$
192. **Interlayer electronic transport in CaMnBi_2 antiferromagnet**
 Aifeng Wang, D. Graf, Lijun Wu, Kefeng Wang, E. Bozin, Yimei Zhu and C. Petrovic
[Phys. Rev. B 94, 125118 \(2016\)](#)
Број бодова = 8 ИФ: 3.836 СНИП:1.183
 $M_i/A_i = 1.143$ $H_i/A_i = 0.548$ $C_i/A_i = 0.169$

191. **Point contact Andreev reflection spectroscopy on Bi_2Se_3 single crystals**
 C. R. Granstrom, I. Fridman, H. C. Lei, C. Petrovic and J. Y. T. Wei
[International Journal of Modern Physics B 30, 1642002 \(2016\)](#)
Број бодова = 3 ИФ: 0.750 СНИП:0.417
 $M_i/A_i = 0.600$ $H_i/A_i = 0.150$ $C_i/A_i = 0.083$

190. **Critical current density and vortex pinning in tetragonal $\text{FeS}_{1-x}\text{Se}_x$ ($x=0, 0.06$)**
 Aifeng Wang, Lijun Wu, V. N. Ivanovski, J. B. Warren, Jianjun Tian, Yimei Zhu and C. Petrovic
[Phys. Rev. B 94, 094506 \(2016\)](#)
Број бодова = 8 ИФ: 3.836 СНИП:1.183
 $M_i/A_i = 1.143$ $H_i/A_i = 0.548$ $C_i/A_i = 0.169$

189. **Multiband electronic transport in $\alpha\text{-Yb}_{1-x}\text{Sr}_x\text{AlB}_4$ [$x=0, 0.19(3)$] single crystals**
 Hyejin Ryu, Milinda Abeykoon, Emil Bozin, Yosuke Matsumoto, S. Nakatsuji and C. Petrovic
[J. Phys. Condens. Matter. 28, 425602 \(2016\)](#)
Број бодова = 5 ИФ: 2.678 СНИП:0.94
 $M_i/A_i = 0.833$ $H_i/A_i = 0.446$ $C_i/A_i = 0.157$

188. **Magnetotransport study of Dirac fermions in YbMnBi_2 antiferromagnet**
 Aifeng Wang, I. Zaliznyak, Weijun Ren, Lijun Wu, D. Graf, O. Garlea, J. B. Warren, E. Bozin, Yimei Zhu and C. Petrovic
[Phys. Rev. B 94, 165161 \(2016\)](#)
Број бодова $8/(1+0.2(10-7)) = 5$ ИФ: 3.836 СНИП:1.183
 $M_i/A_i = 0.500$ $H_i/A_i = 0.384$ $C_i/A_i = 0.118$

187. **Raman spectroscopy of $\text{K}_x\text{Co}_{2-y}\text{Se}_2$ single crystals near the ferromagnet-paramagnet transition**
 M. Opacic, N. Lazarevic, M. M. Radonjic, M. Scepanovic, Hyejin Ryu, Aifeng Wang, D. Tanaskovic, C. Petrovic and Z. V. Popovic
[J. Phys. Condens. Matter 28, 485401 \(2016\)](#)
Број бодова $5/(1+0.2(9-7)) = 3.57$ ИФ: 2.678 СНИП:0.94
 $M_i/A_i = 0.397$ $H_i/A_i = 0.297$ $C_i/A_i = 0.104$

186. **Field induced dielectric response saturation in $\sigma\text{-f TaS}_3$:**
 Yongchang Ma, Cuimin Lu, Lijun Li and C. Petrovic
[J. Phys. Condens. Matter. 28, 395901 \(2016\)](#)
Број бодова = 5 ИФ: 2.678 СНИП:0.94
 $M_i/A_i = 1.250$ $H_i/A_i = 0.669$ $C_i/A_i = 0.235$

185. **Quantum critical quasiparticle scattering within the superconducting state of CeCoIn_5**
 Johnpierre Paglione, M. A. Tanatar, J.-Ph. Reid, H. Shakeripour, C. Petrovic, and Louis Taillefer
[Phys. Rev. Lett. 117, 016601 \(2016\)](#)
Број бодова = 10 ИФ: 8.462 СНИП:2.547
 $M_i/A_i = 1.667$ $H_i/A_i = 1.410$ $C_i/A_i = 0.424$

184. **Multiband nodeless superconductivity near the charge-density-wave quantum critical point in $\text{ZrTe}_{3-x}\text{Se}_x$**

Shan Cui, Lan-Po He, Xiao-Chen Hong, Xiang-De Zhu, Cedomir Petrovic and Shi-Yan Li
[Chin. Phys. B 25, 077403 \(2016\)](#)

Број бодова = 5 ИФ: 1.223 СНИП:0.588
 $M_i/A_i = 0.833$ $H_i/A_i = 0.204$ $C_i/A_i = 0.098$

183. Superconductivity and Charge Density Wave in $ZrTe_{3-x}Se_x$

Xiangde Zhu, Wei Ning, Lijun Li, Langsheng Ling, Ranran Zhang, Jinglei Zhang, Kefeng Wang, Yu Liu, Li Pi, Yongchang Ma, Haifeng Du, Minglian Tian, Yuping Sun, Cedomir Petrovic and Yuheng Zhang
[Scientific Reports 6, 26974 \(2016\)](#)

Број бодова $8/(1+0.2(15-7)) = 3.08$ ИФ: 4.259 СНИП:1.362
 $M_i/A_i = 0.205$ $H_i/A_i = 0.283$ $C_i/A_i = 0.091$

182. Electron-hole asymmetry, Dirac fermions, and quantum magnetoresistance in $BaMnBi_2$

Lijun Li, Kefeng Wang, D. Graf, Limin Wang, Aifeng Wang, and C. Petrovic
[Phys. Rev. B 93, 115141 \(2016\)](#)

Број бодова = 8 ИФ: 3.836 СНИП:1.183
 $M_i/A_i = 1.333$ $H_i/A_i = 0.639$ $C_i/A_i = 0.197$

181. Fano q-reversal in topological insulator Bi_2Se_3

S. V. Dordevic, G. M. Foster, M. S. Wolf, N. Stojilovic, H. Lei, C. Petrovic, Z. Chen, Z. Q. Li and L. C. Tung
[J. Phys. Cond. Matter. 28, 165602 \(2016\)](#)

Број бодова $5/(1+0.2(9-7)) = 3.57$ ИФ: 2.678 СНИП:0.94
 $M_i/A_i = 0.197$ $H_i/A_i = 0.297$ $C_i/A_i = 0.104$

180. Observation of Dirac-like band dispersion in $LaAgSb_2$

X. Shi, P. Richard, Kefeng Wang, M. Liu, C. E. Matt, N. Xu, R. S. Dhaka, Z. Ristic, T. Qian, Y.-F. Yang, C. Petrovic, M. Shi, and H. Ding
[Phys. Rev. B 93, 081105 \(2016\)](#)

Број бодова $8/(1+0.2(13-7)) = 3.63$ ИФ: 3.836 СНИП:1.183
 $M_i/A_i = 0.279$ $H_i/A_i = 0.295$ $C_i/A_i = 0.091$

179. Heat transport study of field-tuned quantum criticality in $CeIrIn_5$

H. Shakeripour, M. A. Tanatar, C. Petrovic, and Louis Taillefer
[Phys. Rev. B 93, 075116 \(2016\)](#)

Број бодова = 8 ИФ: 3.836 СНИП:1.183
 $M_i/A_i = 2.000$ $H_i/A_i = 0.959$ $C_i/A_i = 0.296$

178. Universal heat conduction in $Ce_{1-x}Yb_xCoIn_5$: Evidence for robust nodal d-wave superconducting gap

Y. Xu, J. K. Dong, I. K. Lum, J. Zhang, X. C. Hong, L. P. He, K. F. Wang, Y. C. Ma, C. Petrovic, M. B. Maple, L. Shu, and S. Y. Li
[Phys. Rev. B 93, 064502 \(2016\)](#)

Број бодова $8/(1+0.2(12-7)) = 4$ ИФ: 3.836 СНИП:1.183
 $M_i/A_i = 0.300$ $H_i/A_i = 0.320$ $C_i/A_i = 0.098$

177. ^{119}Sn -NMR investigations on superconducting $Ca_3Ir_4Sn_{13}$: Evidence for multigap superconductivity

R. Sarkar, F. Brückner, M. Günther, Kefeng Wang, C. Petrovic, P.K. Biswas, H.

Luetkens, E. Morenzoni, A. Amato, H.-H. Klauss

[Physica B 479, 51 \(2015\)](#)

Број бодова $3/(1+0.2(10-7)) = 1.87$ ИФ: 1.352 СНИП:0.829

$M_i/A_i = 0.187$ $\mu_i/A_i = 0.135$ $C_i/A_i = 0.083$

176. Evidence of superconductivity-induced phonon spectra renormalization in alkali-doped iron selenides

M. Opacic, N. Lazarevic, M. Scepanovic, Hyejin Ryu, Hechang Lei, C. Petrovic and Z. V. Popovic

[J. Phys. Cond. Matter 48, 485701 \(2015\)](#)

Број бодова = 5 ИФ: 2.209 СНИП:0.97

$M_i/A_i = 0.714$ $\mu_i/A_i = 0.315$ $C_i/A_i = 0.138$

175. Local structure study of Fe dopants in Ni-deficit Ni_3Al alloys

V.N. Ivanovski, A. Umićević, J. Belosevic-Cavor, Hechang Lei, Lijun Li, B. Cekic, V. Koteski and C. Petrovic

[J. Alloys Compound. 651, 705 \(2015\)](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 3.014 СНИП:1.408

$M_i/A_i = 0.833$ $\mu_i/A_i = 0.377$ $C_i/A_i = 0.176$

174. Magnetic excitations in the spin-1/2 triangular-lattice antiferromagnet Cs_2CuBr_4

S. A. Zvyagin, M. Ozerov, D. Kamenskyi, J. Wosnitzer, J. Krzystek, D. Yoshizawa, M. Hagiwara, Rongwei Hu, Hyejin Ryu and C. Petrovic

[New. J. Phys. 17, 113059 \(2015\)](#)

Број бодова $8/(1+0.2(8-7)) = 5$ ИФ: 3.570 СНИП:1.240

$M_i/A_i = 0.625$ $\mu_i/A_i = 0.446$ $C_i/A_i = 0.155$

173. Sustained phase separation and spin glass in Co-doped $K_xFe_{2-y}Se_2$ single crystals

Hyejin Ryu, Kefeng Wang, M. Opacic, N. Lazarevic, J. B. Warren, Z. V.

Popovic, Emil S. Bozin, and C. Petrovic

[Phys. Rev. B 92, 174522 \(2015\)](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 3.718 СНИП:1.220

$M_i/A_i = 0.833$ $\mu_i/A_i = 0.465$ $C_i/A_i = 0.152$

172. Strong enhancement of s-wave superconductivity near a quantum critical point of $Ca_3Ir_4Sn_{13}$

P. K. Biswas, Z. Guguchia, R. Khasanov, M. Chinotti, L. Li, Kefeng Wang, C. Petrovic, and E. Morenzoni

[Phys. Rev. B 92, 195122 \(2015\)](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 3.718 СНИП:1.220

$M_i/A_i = 0.833$ $\mu_i/A_i = 0.465$ $C_i/A_i = 0.152$

171. Single to Multi-quasiparticle Excitations in the Itinerant Helical Magnet $CeRhIn_5$

C. Stock, J. A. Rodriguez-Rivera, K. Schmalzl, E. E. Rodriguez, A. Stunault, and C. Petrovic

[Phys. Rev. Lett. 114, 247005 \(2015\)](#)

Број бодова = 10 ИФ: 7.645 СНИП:2.555

$M_i/A_i = 1.667$ $\mu_i/A_i = 1.274$ $C_i/A_i = 0.426$

170. Spin glass in semiconducting $KFe_{1.05}Ag_{0.88}Te_2$ single crystals

Hyejin Ryu, Hechang Lei, Benedikt Klobes, J. B. Warren, R. P. Hermann and C. Petrovic

[Phys. Rev. B 91, 174517 \(2015\)](#)

Број бодова = 8 ИФ: 3.718 СНИП:1.220

$M_i/A_i = 1.333$ $\mu_i/A_i = 0.620$ $C_i/A_i = 0.203$

169. Spin liquid polymorphism in a correlated electron system on the threshold of superconductivity

I. A. Zaliznyak, A. Savici, M. Lumsden, A. Tsvelik, Rongwei Hu and C. Petrovic

[Proc. Natl. Acad. Sci. U. S. 112, 10316 \(2015\)](#)

Број бодова = 8 ИФ: 10.678 СНИП:2.664

$M_i/A_i = 1.333$ $\mu_i/A_i = 1.780$ $C_i/A_i = 0.444$

168. Insulating and metallic spin glass in $K_xFe_{2-y-\delta}Ni_ySe_2$ ($0.06 \leq y \leq 1.44$) single crystals

Hyejin Ryu, Milinda Abeykoon, Kefeng Wang, Hechang Lei N. Lazarevic, J. B. Warren, E. S. Bozin, Z. V. Popovic, and C. Petrovic

[Phys. Rev. B 91, 184503 \(2015\)](#)

Број бодова $8/(1+0.2(9-7)) = 5.71$ ИФ: 3.718 СНИП:1.220

$M_i/A_i = 0.634$ $\mu_i/A_i = 0.413$ $C_i/A_i = 0.135$

167. Structural contributions to the pressure-tuned charge-density-wave to superconductor transition in $ZrTe_3$: Raman scattering studies

S. L. Gleason, Y. Gim, T. Byrum, A. Kogar, P. Abbamonte, E. Fradkin, G. J. MacDougall, D. J. Van Harlingen, Xiangde Zhu, C. Petrovic, and S. L. Cooper

[Phys. Rev. B 91, 155124 \(2015\)](#)

Број бодова $8/(1+0.2(11-7)) = 4.44$ ИФ: 3.718 СНИП:1.220

$M_i/A_i = 0.404$ $\mu_i/A_i = 0.338$ $C_i/A_i = 0.111$

166. Electronic structure of Ce_2RhIn_8 : A two-dimensional heavy-fermion system studied by angle-resolved photoemission spectroscopy

Rui Jiang, Daixing Mou, Chang Liu, Xin Zhao, Yongxin Yao, Hyejin Ryu, C. Petrovic, Kai-Ming Ho and Adam Kaminski

[Physical Review B 91, 165101 \(2015\)](#)

Број бодова $8/(1+0.2(9-7)) = 5.71$ ИФ: 3.718 СНИП:1.220

$M_i/A_i = 0.634$ $\mu_i/A_i = 0.413$ $C_i/A_i = 0.135$

165. Enhanced thermoelectric power and electronic correlations in $RuSe_2$

Kefeng Wang, Aifeng Wang, A. Tomic, Limin Wang, A. M. Milinda Abeykoon, E. Dooryhee, S. J. L. Billinge and C. Petrovic

[Applied Physics Letters – Materials 3, 041513 \(2015\)](#)

Нема категоризацију ИФ: 3.142

164. Lattice Dynamics of $BaFe_2X_3$ ($X=Se,S$) compounds

Z. V. Popovic, M. Sceanovic, N. Lazarevic, M. Opacic, M. M. Radonjic, D. Tanaskovic, Hechang Lei and C. Petrovic

[Physical Review B 91, 064303 \(2015\)](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 3.718 СНИП:1.220

$M_i/A_i = 0.834$ $\mu_i/A_i = 0.465$ $C_i/A_i = 0.152$

163. Nodal to Nodeless Superconducting Energy-Gap Structure Change Concomitant with Fermi-Surface Reconstruction in the Heavy-Fermion Compound $CeCoIn_5$

Hyunsoo Kim, M. A. Tanatar, R. Flint, C. Petrovic, Rongwei Hu, B. D. White, I. K. Lum, M. B. Maple and R. Prozorov

[Physical Review Letters 114, 027003 \(2015\)](#)

Број бодова $10/(1+0.2(9-7)) = 7.14$ **ИФ:** 7.645 **СНИП:**2.555

$M_i/A_i = 0.793$ $\mu_i/A_i = 0.849$ $C_i/A_i = 0.284$

162. Superconducting properties of $\text{Ca}_3\text{Ir}_4\text{Sn}_{13}$: a μSR study

P. K. Biswas, A. Amato, Kefeng Wang, C. Petrovic, R. Khasanov, H. Luetkens and E. Morenzoni

[Journal of Physics Conf. Series 551, 012029 \(2014\)](#)

Нема категоризацију

161. Anisotropic giant magnetoresistance in NbSb_2

Kefeng Wang, D. Graf, Lijun Li, Limin Wang and C. Petrovic

[Scientific Reports 4, 7328 \(2014\)](#)

Број бодова = 10 **ИФ:** 5.578 **СНИП:**1.580

$M_i/A_i = 2.000$ $\mu_i/A_i = 1.116$ $C_i/A_i = 0.316$

160. Superconducting and magnetic properties of $\text{Sr}_3\text{Ir}_4\text{Sn}_{13}$

P. K. Biswas, A. Amato, R. Khasanov, H. Luetkens, Kefeng Wang, C. Petrovic, R. M. Cook, M. R. Lees and E. Morenzoni

[Phys. Rev. B 90, 144505 \(2014\)](#)

Број бодова $8/(1+0.2(9-7)) = 5.71$ **ИФ:** 3.736 **СНИП:**1.321

$M_i/A_i = 0.634$ $\mu_i/A_i = 0.415$ $C_i/A_i = 0.147$

159. Probing IrTe_2 crystal symmetry by polarized Raman scattering

N. Lazarevic, M. Scepanovic, Hechang Lei, C. Petrovic and Z. V. Popovic

[Phys. Rev. B 89, 224301 \(2014\)](#)

Број бодова = 8 **ИФ:** 3.736 **СНИП:**1.321

$M_i/A_i = 1.6$ $\mu_i/A_i = 0.107$ $C_i/A_i = 0.264$

158. Direct evidence for a magnetic f -electron-mediated Cooper pairing mechanism of heavy-fermion superconductivity in CeCoIn_5

J. S. Van Dyke, F. Massee, M. P. Allan, J. C. Seamus Davis, C. Petrovic and D. Morr

[Proc. Natl. Acad. Sci. U. S. A. 32, 11663 \(2014\)](#)

Број бодова = 8 **ИФ:** 10.896 **СНИП:**2.706

$M_i/A_i = 1.333$ $\mu_i/A_i = 1.816$ $C_i/A_i = 0.451$

157. Evolution of the Pauli spin-paramagnetic effect on the upper critical fields of $\text{K}_x\text{Fe}_{2-y}\text{Se}_{2-z}\text{S}_z$ single crystals

F. Wolff-Fabris, Hechang Lei, J. Wosnitza and C. Petrovic

[Phys. Rev. B 90, 024505 \(2014\)](#)

Број бодова = 8 **ИФ:** 3.736 **СНИП:**1.321

$M_i/A_i = 2.000$ $\mu_i/A_i = 0.934$ $C_i/A_i = 0.330$

156. Nonmetallic Low-Temperature Normal State of $\text{K}_x\text{Fe}_{2-y}\text{Se}_{1.85}\text{Te}_{0.15}$

Kefeng Wang, Hyejin Ryu, Erik Kampert, M. Uhlarz, J. Warren, J. Wosnitza and C. Petrovic

[Phys. Rev. X 4, 031018 \(2014\)](#)

Број бодова = 10 **ИФ:** 12.577 **СНИП:**3.019

$M_i/A_i = 1.428$ $\mu_i/A_i = 1.798$ $C_i/A_i = 0.433$

155. Multiband transport and non-metallic low-temperature state of $\text{K}_{0.50}\text{Na}_{0.24}\text{Fe}_{1.52}\text{Se}_2$

Hyejin Ryu, F. Wolff-Fabris, J. B. Warren, M. Uhlarz, J. Wosnitza and C. Petrovic

[Phys. Rev. B\(R\) 90, 020502 \(2014\).](#)

Број бодова = 8 ИФ: 3.736 СНИП:1.321

$M_i/A_i = 1.333$ $\mu_i/A_i = 0.623$ $C_i/A_i = 0.221$

154. Signatures of the spin-phonon coupling in $\text{Fe}_{1+y}\text{Te}_{1-x}\text{Se}_x$ alloys

Z. V. Popovic, N. Lazarevic, S. Bogdanovic, M. M. Radonjic, D. Tanaskovic, Rongwei Hu, Hechang Lei and C. Petrovic

[Solid State Communications 193, 51 \(2014\)](#)

Број бодова $5/(1+0.2(8-7)) = 4.17$ ИФ: 2.078 СНИП:0.841

$M_i/A_i = 0.521$ $\mu_i/A_i = 0.260$ $C_i/A_i = 0.105$

153. Large magnetothermopower and Fermi surface reconstruction in $\text{Sb}_2\text{Te}_2\text{Se}$

Kefeng Wang, D. Graf and C. Petrovic

[Phys. Rev. B 89, 125202 \(2014\)](#)

Број бодова = 8 ИФ: 3.736 СНИП:1.321

$M_i/A_i = 2.667$ $\mu_i/A_i = 1.245$ $C_i/A_i = 0.440$

152. Direct Determination of Exchange Parameters in Cs_2CuBr_4 and Cs_2CuCl_4 : High-Field Electron-Spin-Resonance Studies

S. A. Zvyagin, D. Kamenskyi, M. Ozerov, J. Wosnitza, M. Ikeda, T. Fujita, M. Hagiwara, A. I. Smirnov, T. A. Soldatov, A. Y. Shapiro, J. Krzystek, Hyejin Ryu, C. Petrovic and M. E. Zhitomirsky

[Phys. Rev. Lett. 112, 077206 \(2014\)](#)

Број бодова $10/(1+0.2(14-7)) = 4.17$ ИФ: 7.512 СНИП:2.654

$M_i/A_i = 0.298$ $\mu_i/A_i = 0.536$ $C_i/A_i = 0.189$

151. Excitation spectrum in Ni- and Cu-doped ZrTe_3

C. Mirri, A. Dusza, Xiangde Zhu, Hechang Lei, Hyjin Ryu and L. Degiorgi

[Phys. Rev. B 89, 035144 \(2014\)](#)

Број бодова = 8 ИФ: 3.736 СНИП:1.321

$M_i/A_i = 1.333$ $\mu_i/A_i = 0.623$ $C_i/A_i = 0.220$

150. Wiedemann-Franz law and nonvanishing temperature scale across the field-tuned quantum critical point of YbRh_2Si_2

J. P. Reid, M. A. Tanatar, R. Daou, Rongwei Hu, C. Petrovic and L. Taillefer

[Phys. Rev. B 89, 045130 \(2014\)](#)

Број бодова = 8 ИФ: 3.736 СНИП:1.321

$M_i/A_i = 1.333$ $\mu_i/A_i = 0.623$ $C_i/A_i = 0.220$

149. Physical properties of $\text{K}_x\text{Ni}_{2-y}\text{Se}_2$ single crystals

Hechang Lei, M. Abeykoon, Kefeng Wang, Emil S. Bozin, Hyejin Ryu, D. Graf, J. B. Warren and C. Petrovic

[J. Phys. Cond. Matter 26, 015701 \(2014\)](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 2.346 СНИП:1.00

$M_i/A_i = 0.834$ $\mu_i/A_i = 0.293$ $C_i/A_i = 0.125$

148. Phonon and magnetic dimer excitations in Fe-based $S = 2$ spin-ladder compound $\text{BaFe}_2\text{Se}_2\text{O}$

Z. V. Popovic, M. Scepunovic, N. Lazarevic, M. M. Radonjic, D. Tanaskovic, Hechang Lei and C. Petrovic

[Phys. Rev. B 89, 014301 \(2014\)](#)

Број бодова = 8 ИФ: 3.736 СНИП:1.321
 $M_i/A_i = 1.143$ $\mu_i/A_i = 0.533$ $C_i/A_i = 0.189$

147. Large thermopower in the antiferromagnetic semiconductor BaMn₂Bi₂

Kefeng Wang and C. Petrovic

[Appl. Phys. Lett. 103, 192104 \(2013\)](#)

Број бодова = 8 ИФ: 3.515 СНИП:1.634
 $M_i/A_i = 4.000$ $\mu_i/A_i = 1.757$ $C_i/A_i = 0.817$

146. Single crystal growth, transport, and electronic band structure of YCoGa₅

Xiangde Zhu, Wenjian Lu, Wei Ning, Zhe Qu, Li Li, T. F. Qi, C. Gao, C. Petrovic and Yuheng Zhang

[J. Alloys and Compounds 578, 543 \(2013\)](#)

Број бодова $8/(1+0.2(9-7)) = 5.71$ ИФ: 2.726 СНИП:1.579
 $M_i/A_i = 0.634$ $\mu_i/A_i = 0.303$ $C_i/A_i = 0.175$

145. Low superfluid density and possible multigap superconductivity in the BiS₂-based layered superconductor Bi₄O₄S₃

P. K. Biswas, A. Amato, C. Baines, R. Khasanov, H. Luetkens, Hechang Lei, C. Petrovic and E. Morenzoni

[Phys. Rev. B 88, 224515 \(2013\)](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 3.664 СНИП:1.316
 $M_i/A_i = 0.833$ $\mu_i/A_i = 0.458$ $C_i/A_i = 0.164$

144. Manifestation of the spin textures in the thermopower of MnSi

Stevan Arsenijevic, C. Petrovic, Laszlo Forro and Ana Akrap

[Europhys. Lett. 103, 57015 \(2013\)](#)

Број бодова = 8 ИФ: 2.269 СНИП:0.947
 $M_i/A_i = 2.000$ $\mu_i/A_i = 0.567$ $C_i/A_i = 0.237$

143. New layered fluorosulfide SrFBiS₂

Hechang Lei, Kefeng Wang, Milinda Abeykoon, Emil S. Bozin and C. Petrovic

[Inorganic Chemistry 52, 10685 \(2013\)](#)

Број бодова = 10 ИФ: 4.794 СНИП:1.37
 $M_i/A_i = 2.000$ $\mu_i/A_i = 0.959$ $C_i/A_i = 0.274$

142. Electronic structure of the iron calcogenide KFeAgTe₂ revealed by angle-resolved photoemission spectroscopy

Ran Ang, K. Nakayama, Weiguo Yin, T. Sato, Hechang Lei, C. Petrovic and T. Takahashi

[Phys. Rev. B 88, 155102 \(2013\)](#)

Број бодова = 8 ИФ: 3.664 СНИП:1.316
 $M_i/A_i = 1.143$ $\mu_i/A_i = 0.523$ $C_i/A_i = 0.188$

141. Quasi two-dimensional Dirac fermions and quantum magnetoresistance in LaAgBi₂

Kefeng Wang, D. Graf and C. Petrovic

[Phys. Rev. B 87, 235101 \(2013\)](#)

Број бодова = 8 ИФ: 3.664 СНИП:1.316
 $M_i/A_i = 2.667$ $\mu_i/A_i = 1.221$ $C_i/A_i = 0.439$

140. Imaging Cooper pairing of heavy fermions in CeCoIn₅

M. P. Allan, F. Massee, D. K. Morr, J. Van Dyke, A. W. Rost, A. P. Mackenzie, C. Petrovic

and J. C. Davis

[Nature Physics 9, 468 \(2013\)](#)

Број бодова $10/(1+0.2(8-7)) = 8.33$ **ИФ:** 20.603 **СНИП:**5.514

$M_i/A_i = 1.041$ $I_i/A_i = 2.575$ $C_i/A_i = 0.689$

139. Effect of carbon doping on electronic transitions in Mn_5Ge_3

N. Stojilovic, S. V. Dordevic, Rongwei Hu and C. Petrovic

[J. Appl. Phys. 114, 053708 \(2013\)](#)

Број бодова = 8 **ИФ:** 2.416 **СНИП:**1.29

$M_i/A_i = 2.000$ $I_i/A_i = 0.604$ $C_i/A_i = 0.322$

138. Lattice dynamics of KNi_2Se_2

N. Lazarevic, M. Radonjic, M. Scepanovic, Hechang Lei, D. Tanaskovic, C. Petrovic, and Z. V. Popovic

[Phys. Rev. B 87, 144305 \(2013\)](#)

Број бодова = 8 **ИФ:** 3.664 **СНИП:**1.316

$M_i/A_i = 1.143$ $I_i/A_i = 0.523$ $C_i/A_i = 0.188$

137. Electron spin resonance study of a $CuIr_2S_4$ single crystal

Lei Zhang, Hechang Lei, Xiangde Zhu, Wei Tong, Changjin Zhang, Yuheng Zhang and C. Petrovic

[Phil. Mag. 93, 1132 \(2013\)](#)

Број бодова = 5 **ИФ:** 1.447 **СНИП:**0.923

$M_i/A_i = 0.714$ $I_i/A_i = 0.207$ $C_i/A_i = 0.132$

136. Electronic Griffiths Phase in the Te-Doped Semiconductor $FeSb_2$

Rongwei Hu, Kefeng Wang, Hyejin Ryu, Hechang Lei, E. S. Choi, M. Uhlarz, J. Wosnitza and C. Petrovic

[Phys. Rev. Lett. 109, 256401 \(2012\)](#)

Број бодова $10/(1+0.2(8-7)) = 8.33$ **ИФ:** 7.943 **СНИП:**2.836

$M_i/A_i = 1.041$ $I_i/A_i = 0.993$ $C_i/A_i = 0.354$

135. Iron chalcogenide superconductors at high magnetic fields

Hechang Lei, Kefeng Wang, Rongwei Hu, Hyejin Ryu, Milinda Abeykoon, Emil S. Bozin and C. Petrovic

[Sci. Technol. Adv. Mater. 13, 054305 \(2012\)](#)

Број бодова = 8 **ИФ:** 4.252 **СНИП:**1.796

$M_i/A_i = 1.143$ $I_i/A_i = 0.607$ $C_i/A_i = 0.256$

134. Signatures of charge inhomogeneities in the infrared spectra of topological insulators

Bi_2Se_3 , Bi_2Te_3 and Sb_2Te_3

S. V. Dordevic, M. S. Wolf, N. Stojilovic, Hechang Lei and C. Petrovic

[J. Phys. Condens. Matter 25, 075501 \(2013\)](#)

Број бодова = 5 **ИФ:** 2.223 **СНИП:**1.04

$M_i/A_i = 1.000$ $I_i/A_i = 0.445$ $C_i/A_i = 0.208$

133. Structure and physical properties of the layered iron oxychalcogenide $BaFe_2Se_2O$

Hechang Lei, Hyejin Ryu, V. Ivanovski, J. B. Warren, A. I. Frenkel, B. Cekic, Wei-Guo Yin and C. Petrovic

[Phys. Rev. B 86, 195133 \(2012\)](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ **ИФ:** 3.767 **СНИП:**1.390

$$M_i/A_i = 0.834 \quad \mu_i/A_i = 0.471 \quad C_i/A_i = 0.174$$

132. Multiband effects and possible Dirac states in LaAgSb₂

Kefeng Wang and C. Petrovic

[Phys. Rev. B 86, 155213 \(2012\)](#)

Број бодова = 8 ИФ: 3.767 СНИП:1.390

$$M_i/A_i = 4.000 \quad \mu_i/A_i = 1.883 \quad C_i/A_i = 0.695$$

131. Magnetic Field Splitting of the Spin Resonance in CeCoIn₅

C. Stock, C. Broholm, Y. Zhao, F. Demmel, H. J. Kang, K. C. Rule, and C. Petrovic

[Phys. Rev. Lett. 109, 167207 \(2012\)](#)

Број бодова = 10 ИФ: 7.943 СНИП:2.836

$$M_i/A_i = 1.428 \quad \mu_i/A_i = 1.135 \quad C_i/A_i = 0.405$$

130. Large linear magnetoresistance and magnetothermopower in layered SrZnSb₂

Kefeng Wang and C. Petrovic

[Appl. Phys. Lett. 101, 152102 \(2012\)](#)

Број бодова = 8 ИФ: 3.794 СНИП:1.764

$$M_i/A_i = 4.000 \quad \mu_i/A_i = 1.897 \quad C_i/A_i = 0.882$$

129. Electronic thermoelectric power factor and metal-insulator transition in FeSb₂

Qing Jie, Rongwei Hu, Emil Boziin, A. Llobet, I. Zaliznyak, C. Petrovic and Q. Li

[Phys. Rev. B 86, 115121 \(2012\)](#)

Број бодова = 8 ИФ: 3.767 СНИП:1.390

$$M_i/A_i = 1.143 \quad \mu_i/A_i = 0.538 \quad C_i/A_i = 0.198$$

128. Magnetism in La₂O₃(Fe_{1-x}Mn_x)₂Se₂ tuned by Fe/Mn ratio

Hechang Lei, Emil S. Bozin, A. Llobet, V. Ivanovski, V. Koteski, J. Belosevic-Cavor, B. Cekic and C. Petrovic

[Phys. Rev. B 86, 125122 \(2012\)](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 3.767 СНИП:1.390

$$M_i/A_i = 0.833 \quad \mu_i/A_i = 0.471 \quad C_i/A_i = 0.174$$

127. From incommensurate correlations to mesoscopic spin resonance in YbRh₂Si₂

C. Stock, C. Broholm, F. Demmel, J. Van Duijn, J. W. Taylor, H. J. Kang, R. Hu and C. Petrovic,

[Phys. Rev. Lett. 109, 127201 \(2012\)](#)

Број бодова $10/(1+0.2(8-7)) = 8.33$ ИФ: 7.943 СНИП:2.836

$$M_i/A_i = 1.041 \quad \mu_i/A_i = 0.993 \quad C_i/A_i = 0.354$$

126. Vacancy-induced nanoscale phase separation in K_xFe_{2-y}Se₂ single crystals evidenced by Raman scattering and powder x-ray diffraction

N. Lazarevic, M. Abeykoon, P. W. Stephens, Hechang Lei, E. S. Bozin, C. Petrovic and Z. V. Popovic

[Phys. Rev. B 86, 054503 \(2012\)](#)

Број бодова = 8 ИФ: 3.767 СНИП:1.390

$$M_i/A_i = 1.143 \quad \mu_i/A_i = 0.533 \quad C_i/A_i = 0.156$$

125. Superconducting state in the metastable binary bismuthide Rh₃Bi₁₄ single crystals

Xiao Zhang, Hechang Lei and C. Petrovic

[Phys. Rev. B 86, 054502 \(2012\)](#)

Број бодова = 8 ИФ: 3.767 СНИП:1.390
 $M_i/A_i = 2.667$ $I_i/A_i = 1.256$ $C_i/A_i = 0.463$

124. Surface-induced magnetic fluctuations in a single-crystal NiBi_3 superconductor

Xiangde Zhu, Hechang Lei, C. Petrovic and Yuheng Zhang
[Phys. Rev. B 86, 024527 \(2012\)](#)

Број бодова = 8 ИФ: 3.767 СНИП:1.390
 $M_i/A_i = 2.000$ $I_i/A_i = 0.942$ $C_i/A_i = 0.347$

123. $\text{Ca}_3\text{Ir}_4\text{Sn}_{13}$: A weakly correlated nodeless superconductor

Kefeng Wang and C. Petrovic
[Phys. Rev. B 86, 024522 \(2012\)](#)

Број бодова = 8 ИФ: 3.767 СНИП:1.390
 $M_i/A_i = 4.000$ $I_i/A_i = 1.883$ $C_i/A_i = 0.695$

122. Enhancement of the thermoelectric properties in doped FeSb_2 bulk crystals

Kefeng Wang, Rongwei Hu, John Warren, and C. Petrovic
[J. Appl. Phys. 112, 013703 \(2012\)](#)

Број бодова = 8 ИФ: 2.416 СНИП:1.764
 $M_i/A_i = 2.000$ $I_i/A_i = 0.604$ $C_i/A_i = 0.441$

121. Lattice dynamics of FeSb_2

N. Lazarevic, M. Radonjic, D. Tanaskovic, Rongwei Hu, C. Petrovic and Z. V. Popovic
[J. Phys. Cond. Matt. 24, 255402 \(2012\)](#)

Број бодова = 8 ИФ: 2.355 СНИП:1.19
 $M_i/A_i = 1.333$ $I_i/A_i = 0.392$ $C_i/A_i = 0.198$

120. Local structural disorder and superconductivity in $\text{K}_x\text{Fe}_{2-y}\text{Se}_2$

Hyejin Ryu, Hechang Lei, A. I. Frenkel, and C. Petrovic
[Phys. Rev. B 85, 224515 \(2012\)](#)

Број бодова = 8 ИФ: 3.767 СНИП:1.390
 $M_i/A_i = 2.000$ $I_i/A_i = 0.942$ $C_i/A_i = 0.347$

119. Petrurbed angular correlation investigation of the electric field gradient at TA-181 probe in the Hf_2Ni_7 compound

B. Cekic, A. Umicevic, V. Ivanovski, Rongwei Hu, C. Petrovic, B. David and T. Barudzija
[Nuclear Technology and Radiation Protection 27, 95 \(2012\)](#)

Број бодова = 5 ИФ: 1.160 СНИП:1.060
 $M_i/A_i = 0.714$ $I_i/A_i = 0.165$ $C_i/A_i = 0.151$

118. Growing intermetallic single crystals using in situ decanting

C. Petrovic, P. C. Canfield and J. Y. Mellen
[Philosophical Magazine 92, 2448 \(2012\)](#)

Број бодова = 5 ИФ: 1.623 СНИП:0.934
 $M_i/A_i = 1.667$ $I_i/A_i = 0.541$ $C_i/A_i = 0.311$

117. NMR characterization of sulphur substitution effects in the $\text{K}_x\text{Fe}_{2-y}\text{Se}_{2-z}\text{S}_z$ high-Tc superconductor

D. A. Torchetti, T. Imai, H. C. Lei and C. Petrovic
[Phys. Rev. B 85, 144516 \(2012\)](#)

Број бодова = 8 ИФ: 3.767 СНИП:1.390

$M_i/A_i = 2.000$ $\mu_i/A_i = 0.941$ $C_i/A_i = 0.347$

116. Phonon properties of CoSb₂ single crystals

N Lazarevic, M. Radonjic, Rongwei Hu, D Tanaskovic, C Petrovic and Z V Popovic.

[J. Phys. Cond. Matt. 24, 135402 \(2012\)](#)

Број бодова = 8 ИФ: 2.355 СНИП:1.19

$M_i/A_i = 1.333$ $\mu_i/A_i = 0.392$ $C_i/A_i = 0.198$

115. Thermal destruction of spin-polaron bands in the narrow-gap correlated semiconductors FeGa₃ and FeSb₂

V. G Storchak, J. H Brewer, R. L Lichti, Rongwei Hu and C. Petrovic

[J. Phys. Cond. Matt. 24, 185601 \(2012\)](#)

Број бодова = 8 ИФ: 2.355 СНИП:1.19

$M_i/A_i = 1.6$ $\mu_i/A_i = 0.471$ $C_i/A_i = 0.238$

114. Multiband effects on β -FeSe single crystals

Hechang Lei, D. Graf, Rongwei Hu, Hyejin Ryu, E. S. Choi, S. W. Tozer and C. Petrovic

[Phys. Rev. B 85, 094515 \(2012\)](#)

Број бодова = 8 ИФ: 3.767 СНИП:1.390

$M_i/A_i = 1.143$ $\mu_i/A_i = 0.538$ $C_i/A_i = 0.198$

113. Large magnetothermopower effect in Dirac materials (Sr,Ca)MnBi₂

Kefeng Wang, Limin Wang and C. Petrovic

[Appl. Phys. Lett. 100, 112111 \(2012\)](#)

Број бодова = 8 ИФ: 3.794 СНИП:1.764

$M_i/A_i = 2.667$ $\mu_i/A_i = 1.265$ $C_i/A_i = 0.588$

112. Vortex lattice studies in CeCoIn₅ with H orthogonal to c

P. Das, J. S. White, A. T. Holmes, E. M. Forgan, A. D. Bianchi, M. Kenzelmann, M. Zolliker, S. Gerber, J. L. Gavilano, E. D. Bauer, J. L. Sarrao, C. Petrovic, and M. R. Eskildsen

[Phys. Rev. Lett. 108, 087002 \(2012\)](#)

Број бодова $10/(1+0.2(13-7)) = 4.54$ ИФ: 7.943 СНИП:2.836

$M_i/A_i = 0.349$ $\mu_i/A_i = 0.611$ $C_i/A_i = 0.218$

111. Two dimensional Dirac fermions and quantum magnetoresistance in CaMnBi₂

Kefeng Wang, D. Graf, Limin Wang, H. C. Lei, S. W. Tozer and C. Petrovic

[Phys. Rev. B 85, 041101 \(2012\)](#)

Број бодова = 8 ИФ: 3.767 СНИП:1.390

$M_i/A_i = 1.333$ $\mu_i/A_i = 0.628$ $C_i/A_i = 0.232$

110. Giant increase in critical current density in K_xFe_{2-y}Se₂ crystals

Hechang Lei and C. Petrovic

[Phys. Rev. B 84, 212502 \(2011\)](#)

Број бодова = 8 ИФ: 3.691 СНИП:1.438

$M_i/A_i = 4.000$ $\mu_i/A_i = 1.845$ $C_i/A_i = 0.719$

109. Phonon and magnon excitations in block antiferromagnetic K_{0.88}Fe_{1.63}S₂ single crystals

N. Lazarevic, Hechang Lei, C. Petrovic and Z. V. Popovic

[Phys. Rev. B 84, 214305 \(2011\)](#)

Број бодова = 8 ИФ: 3.691 СНИП:1.438

$M_i/A_i = 2.000$ $\mu_i/A_i = 0.923$ $C_i/A_i = 0.359$

108. Anisotropy in BaFe₂Se₃ single crystals with double chains of FeSe tetrahedra

Hechang Lei, Hyejin Ryu, A. I. Frenkel and C. Petrovic

[Phys. Rev. B 84, 214511 \(2011\)](#)

Број бодова = 8 ИФ: 3.691 СНИП:1.438

$M_i/A_i = 2.000$ $\mu_i/A_i = 0.923$ $C_i/A_i = 0.359$

107. Spin singlet state of electrons in filled skutterudites

V. G. Storchak, O. E. Parfenov, D. G. Eshchenko, S. L. Stubbs, R. Gumeniuk, W. Schnelle, Rongwei Hu and C. Petrovic

[Europhys. Lett. 96, 57005 \(2011\)](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 2.171 СНИП:1.008

$M_i/A_i = 1.143$ $\mu_i/A_i = 0.533$ $C_i/A_i = 0.156$

106. Quantum transport of two dimensional Dirac fermions in SrMnBi₂

Kefeng Wang, D. Graf, Hechang Lei, S. W. Tozer and C. Petrovic

[Phys. Rev. B 84, 220401 \(2011\)](#)

Број бодова = 8 ИФ: 3.691 СНИП:1.438

$M_i/A_i = 1.600$ $\mu_i/A_i = 0.738$ $C_i/A_i = 0.288$

105. Lateral imaging of the superconducting vortex lattice using Doppler-modulated scanning tunneling microscopy

I. Fridman, C. Kloc, C. Petrovic and J. Y. T. Wei

[Applied Physics Letters 99, 192505 \(2011\)](#)

Број бодова = 8 ИФ: 3.884 СНИП:1.928

$M_i/A_i = 2.000$ $\mu_i/A_i = 0.971$ $C_i/A_i = 0.482$

104. Upper critical fields and superconducting anisotropy of K_{0.70}Fe_{1.55}Se_{1.01}S_{0.99} and K_{0.76}Fe_{1.61}Se_{0.96}S_{1.04} single crystals

Hechang Lei and C. Petrovic

[Europhys. Lett. 95, 57006 \(2011\)](#)

Број бодова = 8 ИФ: 2.171 СНИП:1.008

$M_i/A_i = 4.000$ $\mu_i/A_i = 1.085$ $C_i/A_i = 0.504$

103. Antiferromagnetism in semiconducting KFe_{0.85}Ag_{1.15}Te₂ single crystals

Hechang Lei, E. S. Bozin, Kefeng Wang and C. Petrovic

[Phys. Rev. B 84, 060506 \(2011\)](#)

Број бодова = 8 ИФ: 3.691 СНИП:1.438

$M_i/A_i = 2.000$ $\mu_i/A_i = 0.923$ $C_i/A_i = 0.359$

102. Critical current density and mechanism of vortex pinning in K_xFe_{2-y}Se₂ crystals doped with S

Hechang Lei and C. Petrovic

[Phys. Rev. B 84, 052507 \(2011\)](#)

Број бодова = 8 ИФ: 3.691 СНИП:1.438

$M_i/A_i = 4.000$ $\mu_i/A_i = 1.845$ $C_i/A_i = 0.719$

101. Critical fields, thermally activated transport and critical current density of β -Fe_{1.00(2)}Se_{1.00(3)} Single Crystals

Hechang Lei, Rongwei Hu and C. Petrovic

[Phys. Rev. B 84, 014520 \(2011\)](#)

Број бодова = 8 ИФ: 3.691 СНИП:1.438

$M_i/A_i = 2.667$ $\mu_i/A_i = 1.230$ $C_i/A_i = 0.479$

100. Evolution of correlation strength in $K_xFe_{2-y}Se_2$ with S doping

Kefeng Wang, Hechang Lei and C. Petrovic

[Phys. Rev. B 84, 054526 \(2011\)](#)

Број бодова = 8 ИФ: 3.691 СНИП:1.438

$M_i/A_i = 2.667$ $\mu_i/A_i = 1.230$ $C_i/A_i = 0.479$

99. Raising T_c in charge density wave superconductor $ZrTe_3$ by Ni intercalation

Hechang Lei, Xiangde Zhu and C. Petrovic

[Europhys. Lett. 95, 17001 \(2011\)](#)

Број бодова = 8 ИФ: 2.171 СНИП:1.008

$M_i/A_i = 2.667$ $\mu_i/A_i = 0.724$ $C_i/A_i = 0.336$

98. Coexistence of charge density wave and bulk superconductivity in Cu_xZrTe_3

Xiangde Zhu, Hechang Lei and C. Petrovic

[Phys. Rev. Lett. 106, 246404 \(2011\)](#)

Број бодова = 10 ИФ: 7.370 СНИП:2.886

$M_i/A_i = 3.333$ $\mu_i/A_i = 2.457$ $C_i/A_i = 0.962$

97. Phase diagram of $K_xFe_{2-y}Se_{2-z}S_z$ ($0 \leq z \leq 2$) and suppression of its superconducting state by an Fe_2Se/S tetrahedron distortion

Hechang Lei, M. Abeykoon, E. S. Bozin, Kefeng Wang, J. B. Warren and C. Petrovic

[Phys. Rev. Lett. 107, 137002 \(2011\)](#)

Број бодова = 10 ИФ: 7.370 СНИП:2.886

$M_i/A_i = 1.667$ $\mu_i/A_i = 1.228$ $C_i/A_i = 0.481$

96. Thermoelectric studies of $K_xFe_{2-y}Se_2$ indicating a weakly correlated superconductor

Kefeng Wang, Hechang Lei and C. Petrovic

[Phys. Rev. B 83, 174503 \(2011\)](#)

Број бодова = 8 ИФ: 3.691 СНИП:1.438

$M_i/A_i = 2.667$ $\mu_i/A_i = 1.230$ $C_i/A_i = 0.479$

95. Anisotropy in transport and magnetic properties of $K_xFe_{2-y}Se_2$

Hechang Lei and C. Petrovic

[Phys. Rev. B 83, 184504 \(2011\)](#)

Број бодова = 8 ИФ: 3.691 СНИП:1.438

$M_i/A_i = 4.000$ $\mu_i/A_i = 1.845$ $C_i/A_i = 0.719$

94. Spin glass behavior of insulating $K_{0.8}Fe_{2-x}S_2$

Hechang Lei and C. Petrovic

[Phys. Rev. B 83, 180503 \(2011\)](#)

Број бодова = 8 ИФ: 3.691 СНИП:1.438

$M_i/A_i = 4.000$ $\mu_i/A_i = 1.845$ $C_i/A_i = 0.719$

93. ^{77}Se NMR Investigation of the $K_xFe_{2-y}Se_2$ High T_c Superconductor ($T_c = 33$ K)

D. A. Torchetti, M. Fu, D. C. Christensen, K. J. Nelson, T. Imai, H. C. Lei and C. Petrovic

[Phys. Rev. B 83, 104508 \(2011\)](#)

Број бодова = 8 ИФ: 3.691 СНИП:1.438

$M_i/A_i = 1.143$ $\mu_i/A_i = 0.527$ $C_i/A_i = 0.205$

92. Synthesis, Crystal Structure and Magnetism in β -Fe_{1.00(2)}Se_{1.00(3)} Single Crystals

Rongwei Hu, Hechang Lei, Milinda Abeykoon, Emil S. Bozin, Simon Billinge, J. B.

Warren, Theo Siegrist and C. Petrovic,

[Phys. Rev. B 83, 224502 \(2011\)](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 3.691 СНИП:1.438

$M_i/A_i = 0.834$ $\mu_i/A_i = 0.461$ $C_i/A_i = 0.180$

91. Evidence of coupling between phonons and charge density waves in ErTe₃

N. Lazarevic, Z. V. Popovic, Rongwei Hu and C. Petrovic

[Phys. Rev. B 83, 024302 \(2011\)](#)

Број бодова = 8 ИФ: 3.691 СНИП:1.438

$M_i/A_i = 2.000$ $\mu_i/A_i = 0.923$ $C_i/A_i = 0.359$

90. Absence of localized-spin magnetic scattering in the narrow-gap semiconductor FeSb₂

I. A. Zaliznyak, A. T. Savici, V. O. Garlea, Rongwei Hu and C. Petrovic

[Phys. Rev. B 83, 184414 \(2011\)](#)

Број бодова = 8 ИФ: 3.691 СНИП:1.438

$M_i/A_i = 1.6$ $\mu_i/A_i = 0.738$ $C_i/A_i = 0.288$

89. Universal heat conduction in the heavy-fermion superconductor CeIrIn₅: a line of nodes in the gap structure

H. Shakirepour, M. A. Tanatar, C. Petrovic and Louis Taillefer

[Phys. Rev. B 82, 184531 \(2010\)](#)

Број бодова = 8 ИФ: 3.774 СНИП:1.457

$M_i/A_i = 2.000$ $\mu_i/A_i = 0.943$ $C_i/A_i = 0.364$

88. Thermally activated energy and flux flow Hall effect in Fe_{1+y}Te_{1-x}S_x

Hechang Lei, Rongwei Hu, E. S. Choi and C. Petrovic

[Phys. Rev. B 82, 134525 \(2010\)](#)

Број бодова = 8 ИФ: 3.774 СНИП:1.457

$M_i/A_i = 2.000$ $\mu_i/A_i = 0.943$ $C_i/A_i = 0.364$

87. Exploring the fragile antiferromagnetic superconducting phase in CeCoIn₅

E. Blackburn, P. Das, M. R. Eskildsen, E. M. Forgan, M. Laver, C. Niedermayer, C.

Petrovic, and J. S. White

[Phys. Rev. Lett 105, 187001 \(2010\)](#)

Број бодова $10/(1+0.2(8-7)) = 8.33$ ИФ: 7.370 СНИП:2.806

$M_i/A_i = 1.041$ $\mu_i/A_i = 0.921$ $C_i/A_i = 0.351$

86. Effects of excess Fe on upper critical field and magnetotransport in Fe_{1+y}(Te_{1-x}S_x)_z

Hechang Lei, Rongwei Hu, E. S. Choi, J. B. Warren, and C. Petrovic

[Phys. Rev. B 81, 184522 \(2010\)](#)

Број бодова = 8 ИФ: 3.774 СНИП:1.457

$M_i/A_i = 1.600$ $\mu_i/A_i = 0.755$ $C_i/A_i = 0.291$

85. London penetration depth and superfluid density in single crystals of Fe(Te,Se) and Fe(Te,S) superconductors

H. Kim, C. Martin, R. T. Gordon, M. A. Tanatar, J. Hu, B. Qian, Z. Q. Mao, Rongwei Hu,

C. Petrovic, N. Salovich, R. Giannetta, and R. Prozorov

[Phys. Rev. B 81, 180503 \(2010\)](#)

Број бодова $8/(1+0.2(12-7)) = 4$ ИФ: 3.774 СНИП:1.457

$M_i/A_i = 0.333$ $H_i/A_i = 0.314$ $C_i/A_i = 0.121$

84. Pauli-limited upper critical field in Fe(Te,Se)

Hechang Lei, Rongwei Hu, E. S. Choi, J. B. Warren, and C. Petrovic

[Phys. Rev. B 81, 094518 \(2010\)](#)

Број бодова = 8 ИФ: 3.774 СНИП:1.457

$M_i/A_i = 1.600$ $H_i/A_i = 0.755$ $C_i/A_i = 0.291$

83. Evidence for electron-phonon interaction in $Fe_{1-x}M_xSb_2$ ($M = Co, Cr$) single crystals

N. Lazarevic, Z. V. Popovic, Rongwei Hu and C. Petrovic

[Phys. Rev. B 81, 144302 \(2009\)](#)

Број бодова = 8 ИФ: 3.475 СНИП:1.475

$M_i/A_i = 2.000$ $H_i/A_i = 0.869$ $C_i/A_i = 0.369$

82. Normal state charge dynamics of $Fe_{1.06}Te_{0.88}S_{0.14}$ superconductor probed with infrared spectroscopy

N. Stojilovic, A. Koncz, L. W. Kohlman, Rongwei Hu, C. Petrovic and S. V. Dordevic

[Phys. Rev. B 81, 174518 \(2009\)](#)

Број бодова = 8 ИФ: 3.475 СНИП:1.475

$M_i/A_i = 2.000$ $H_i/A_i = 0.943$ $C_i/A_i = 0.486$

81. Superconductivity, magnetism and stoichiometry in single crystals of $Fe_{1+y}(Te_{1-x}S_x)_z$

Rongwei Hu, Emil S. Bozin, J. B. Warren and C. Petrovic

[Phys. Rev. B 80, 214514 \(2009\)](#)

Број бодова = 8 ИФ: 3.475 СНИП:1.475

$M_i/A_i = 2.000$ $H_i/A_i = 0.869$ $C_i/A_i = 0.369$

80. Observations of Pauli paramagnetic effects on the flux line cores in $CeCoIn_5$

J.S. White, P. Das, M.R. Eskildsen, L. DeBeer-Schmitt, E.M. Forgan, A.D. Bianchi, M. Kenzelmann, M. Zolliker, S. Gerber, J.L. Gavilano, J. Mesot, R. Movshovich, E.D. Bauer, J.L. Sarrao, and C. Petrovic

[New Journal of Physics 12, 023026 \(2009\)](#)

Број бодова $8/(1+0.2(15-7)) = 3.08$ ИФ: 3.312 СНИП:1.495

$M_i/A_i = 0.205$ $H_i/A_i = 0.221$ $C_i/A_i = 0.010$

79. Thermal evolution of the electric field gradient at ^{181}Ta in αHfNi

B. Cekic, A. Umicevic, V. Ivanovski, J. Belosevic-Cavor, V. Koteski, Rongwei Hu and C. Petrovic,

[Hyperfine Interactions 196, 339 \(2010\)](#)

Број бодова = 3 ИФ: 0.61 СНИП:0.566

$M_i/A_i = 0.428$ $H_i/A_i = 0.087$ $C_i/A_i = 0.080$

78. Static compression of $\epsilon\text{-FeSi}$

Y. H. Ko, K. J. Kim, C. K. Han, Rongwei Hu, C. Petrovic, H. H. Lee and Y. J. Lee

[Journal of the Korean Physical Society 56, 832 \(2010\)](#)

Број бодова = 3 ИФ: 0.511 СНИП:0.375

$M_i/A_i = 0.428$ $H_i/A_i = 0.073$ $C_i/A_i = 0.053$

77. Pressure-volume equation of state of FeAu and FePt

Y. H. Ko, K. J. Kim, C. K. Han, C. Petrovic, Rongwei Hu, H. H. Lee and Y. Lee
[High Pressure Research 29, 800 \(2009\)](#)

Број бодова = 5 ИФ: 0.971 СНИП:0.632
 $M_i/A_i = 0.715$ $H_i/A_i = 0.139$ $C_i/A_i = 0.089$

76. Field-dependent collective ESR mode in YbRh₂Si₂

L.M. Holanda, J.G.S.Duque, E.M.Bittar, C.Adriano, P.G.Pagliuso, C.Rettori, R.W.Hu, C. Petrovic, S.Maquilon, Z.Fisk, D.L.Huber and S.B.Oseroff
[Physica B 404, 2964 \(2009\)](#)

Број бодова $3/(1+0.2(12-7)) = 1.5$ ИФ: 1.056 СНИП:0.704
 $M_i/A_i = 0.125$ $H_i/A_i = 0.088$ $C_i/A_i = 0.059$

75. Signatures of electron-boson coupling in half-metallic ferromagnet Mn₅Ge₃: study of electron self-energy $\Sigma(\omega)$ obtained from infrared spectroscopy

S. V. Dordevic, N. Stojilovic, L. W. Kohlman, Rongwei Hu, and C. Petrovic
[Phys. Rev. B 80, 115114 \(2009\)](#)

Број бодова = 8 ИФ: 3.475 СНИП:1.475
 $M_i/A_i = 1.600$ $H_i/A_i = 0.695$ $C_i/A_i = 0.295$

74. Low frequency excitation in the optical properties of superconducting CeCoIn₅

G. V. Sudhakar Rao, S. Ocadlik, M. Reedyk and C. Petrovic
[Phys. Rev. B 80, 064512 \(2009\)](#)

Број бодова = 8 ИФ: 3.475 СНИП:1.475
 $M_i/A_i = 2.000$ $H_i/A_i = 0.869$ $C_i/A_i = 0.369$

73. Raman scattering study of Fe_{1-x}Co_xSb₂ and Fe_{1-x}Cr_xSb₂ (0≤x≤1) single crystals

N. Lazarevic, V. Popovic, Rongwei Hu and C. Petrovic
[Phys. Rev. B 80, 041302 \(2009\)](#)

Број бодова = 8 ИФ: 3.475 СНИП:1.475
 $M_i/A_i = 2.000$ $H_i/A_i = 0.869$ $C_i/A_i = 0.369$

72. Pressure evolution of a field-induced Fermi surface reconstruction and the Neel critical field in CeIn₃

K. M. Purcell, D. Graf, M. Kano, J. Bourg, E. C. Palm, T. Murphy R. McDonald, C. H. Mielke, M. M. Altarawneh, C. Petrovic, Rongwei Hu, T. Ebihara, J. Cooley, P. Schlottmann, and S. W. Tozer
[Phys. Rev. B 79, 214428 \(2009\)](#)

Број бодова $8/(1+0.2(15-7)) = 3.08$ ИФ: 3.475 СНИП:1.475
 $M_i/A_i = 0.205$ $H_i/A_i = 0.232$ $C_i/A_i = 0.098$

71. Heat transport as a probe of superconducting gap structure

H. Shakeripour, C. Petrovic and L. Taillefer
[New Journal of Physics 11, 055065 \(2009\)](#)

Број бодова = 8 ИФ: 3.312 СНИП:1.495
 $M_i/A_i = 2.667$ $H_i/A_i = 1.104$ $C_i/A_i = 0.498$

70. Characteristics of CeCoIn₅/Al/AlO_x/Nb and CeCoIn₅/Al/AlO_x/Al tunnel junctions

I. P. Nevirkovets, O. Chernyashevskyy, C. Petrovic, Rongwei Hu, J. B. Ketterson and B. K. Sarma
[Physica C 469, 293 \(2009\)](#)

Број бодова = 3 ИФ: 0.723 СНИП:0.565

$$M_i/A_i = 0.500 \quad I_i/A_i = 0.120 \quad C_i/A_i = 0.094$$

69. Magnetic field dependence and bottlenecklike behavior of the ESR spectra in YbRh₂Si₂

J. S. Duque, E. M. Bittar, C. Adriano, C. Giles, L. M. Holanda, R. Lora-Serrano, P. G. Pagliuso, C. Rettori, C. A. Perez, Rongwei Hu, C. Petrovic, S. Maquilon, Z. Fisk, D. L. Huber and S. Oseroff.

[Phys. Rev. B 79, 035122 \(2009\)](#)

Број бодова $8/(1+0.2(15-7)) = 3.08$ ИФ: 3.475 СНИП:1.475

$$M_i/A_i = 0.205 \quad I_i/A_i = 0.232 \quad C_i/A_i = 0.098$$

68. Magnetism and metal - insulator transition in Fe(Sb_{1-x}Te_x)₂

Rongwei Hu, V. F. Mitrovic and C. Petrovic

[Phys. Rev. B 79, 064510 \(2009\)](#)

Број бодова = 8 ИФ: 3.475 СНИП:1.475

$$M_i/A_i = 2.667 \quad I_i/A_i = 1.158 \quad C_i/A_i = 0.492$$

67. Generalized Elliott-Yafet theory of electron spin relaxation in metals: the origin of the anomalous electron spin life-time in MgB₂

F. Simon, B. Dora, F. Muranyi, A. Janossy, S. Garaj, L. Forro, S. Bud'ko, C. Petrovic, and P. C. Canfield

[Phys. Rev. Lett. 101 177003 \(2008\)](#)

Број бодова $10/(1+0.2(9-7)) = 7.14$ ИФ: 7.301 СНИП:2.855

$$M_i/A_i = 0.793 \quad I_i/A_i = 0.811 \quad C_i/A_i = 0.317$$

66. Superfluid density and the pair breaking in CeCoIn₅

V. G. Kogan, R. Prozorov and C. Petrovic

[J. Phys. Cond. Matter 21, 102204 \(2009\)](#)

Број бодова = 8 ИФ: 1.964 СНИП:1.02

$$M_i/A_i = 2.667 \quad I_i/A_i = 0.655 \quad C_i/A_i = 0.34$$

65. Giant carrier mobility in single crystals of FeSb₂

Rongwei Hu, V. F. Mitrovic and C. Petrovic

[Applied Physics Letters 92, 182108 \(2008\)](#)

Број бодова = 8 ИФ: 3.957 СНИП:1.830

$$M_i/A_i = 2.667 \quad I_i/A_i = 1.319 \quad C_i/A_i = 0.61$$

64. Microwave absorption measurements of the heavy fermion superconductor CeCoIn₅

I. P. Nevirkovets, O Chernyashevskyy, C. Petrovic, J. B. Ketterson, Bimal K. Sarma

[Physica C 468, 432 \(2008\)](#)

Број бодова = 3 ИФ: 0.740 СНИП:0.574

$$M_i/A_i = 0.6 \quad I_i/A_i = 0.148 \quad C_i/A_i = 0.115$$

63. Composition and field tuned magnetism and superconductivity in Nd_{1-x}Ce_xCoIn₅

Rongwei Hu, Y. Lee, J. Hudis, V. F. Mitrovic, and C. Petrovic

[Phys. Rev. B 77, 165129 \(2008\)](#)

Број бодова = 8 ИФ: 3.322 СНИП:1.512

$$M_i/A_i = 1.600 \quad I_i/A_i = 0.664 \quad C_i/A_i = 0.302$$

62. Thermal Hall conductivity and long lived quasiparticles in CeCoIn₅

Y. Onose, N. P. Ong and C. Petrovic

[Physica C 460-462, 676 \(2007\)](#)

Број бодова = 5 ИФ: 1.079 СНИП:0.725
 $M_i/A_i = 1.667$ $H_i/A_i = 0.360$ $C_i/A_i = 0.242$

61. Superconducting vortices in CeCoIn₅: Toward the Pauli-Limiting Field

A. D. Bianchi, M. Kenzelmann, L. DeBeer – Schmitt, J. S. White, E. M. Forgan, J. Mesot, M. Zolliker, J. Kohlbrecher, R. Movshovich, E. D. Bauer, J. L. Sarrao, Z. Fisk, C. Petrovic and M. R. Eskildsen
[Science 319, 177 \(2008\)](#)

Број бодова $10/(1+0.2(14-7)) = 4.16$ ИФ: 15.629 СНИП:6.03
 $M_i/A_i = 0.297$ $H_i/A_i = 1.116$ $C_i/A_i = 0.431$

60. Evidence for a band broadening across the ferromagnetic transition of Cr_{1/3}NbSe₂

W. Z. Hu, G. T. Wang, Rongwei Hu, C. Petrovic, E. Morosan, R. J. Cava, Z. Fang and N. L. Wang
[Phys. Rev. B 78, 085120 \(2008\)](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 3.322 СНИП:1.512
 $M_i/A_i = 0.834$ $H_i/A_i = 0.415$ $C_i/A_i = 0.189$

59. Enhanced Curie temperature and spin polarization in Mn₄FeGe₃

T. Y. Chen, C. L. Chien and C. Petrovic
[Applied Physics Letters 91, 142505 \(2007\)](#)

Број бодова = 8 ИФ: 3.994 СНИП:1.917
 $M_i/A_i = 2.667$ $H_i/A_i = 1.331$ $C_i/A_i = 0.639$

58. Ambient – pressure bulk superconductivity deep in the magnetic state of CeRhIn₅

J. Paglione, P.-C. Ho, M. B. Maple, M. A. Tanatar, L. Taillefer, Y. Lee and C. Petrovic
[Phys. Rev. B 77, 100505 \(2008\)](#)

Број бодова = 8 ИФ: 3.322 СНИП:1.512
 $M_i/A_i = 1.143$ $H_i/A_i = 0.474$ $C_i/A_i = 0.216$

57. The Lorentz number in CeCoIn₅ inferred from the thermal and Hall charge currents

Y. Onose, N. P. Ong and C. Petrovic
[Europhys. Lett. 80, 37005 \(2007\)](#)
Број бодова = 8 ИФ: 2.206 СНИП:1.061
 $M_i/A_i = 2.667$ $H_i/A_i = 0.735$ $C_i/A_i = 0.354$

56. Weak ferromagnetism in Fe_{1-x}Co_xSb₂

Rongwei Hu, R. P. Hermann, F. Grandjean, Y. Lee, J. B. Warren, V. F. Mitrovic and C. Petrovic
[Phys. Rev. B 76, 224422 \(2007\)](#)

Број бодова = 8 ИФ: 3.172 СНИП:1.601
 $M_i/A_i = 1.142$ $H_i/A_i = 0.453$ $C_i/A_i = 0.229$

55. Anomalous thermopower and Nernst effect in CeCoIn₅: loss of entropy current in precursor state

Y. Onose, Lu Li, C. Petrovic and N. P. Ong
[Europhys. Lett 79, 17006 \(2007\)](#)
Број бодова = 8 ИФ: 2.206 СНИП:1.061
 $M_i/A_i = 2.000$ $H_i/A_i = 0.551$ $C_i/A_i = 0.265$

54. Single crystal growth of YbRh₂Si₂ using Zn flux

Rongwei. Hu, J. Hudis, C. L. Broholm and C. Petrovic

[Journal of Crystal Growth 304, 114 \(2007\)](#)

Број бодова = 5 ИФ: 1.182 СНИП:1.316

$M_i/A_i = 1.250$ $\mu_i/A_i = 0.295$ $C_i/A_i = 0.329$

53. Anisotropic violation of a Wiedemann-Franz law at a quantum critical point

M. Tanatar, J. Paglione, C. Petrovic and L. Taillefer

[Science 316, 1320 \(2007\)](#)

Број бодова = 10 ИФ: 15.762 СНИП:5.99

$M_i/A_i = 2.500$ $\mu_i/A_i = 3.9405$ $C_i/A_i = 1.4975$

52. Anisotropy in the magnetic and electrical properties of $\text{Fe}_{1-x}\text{Cr}_x\text{Sb}_2$

Rongwei Hu, V. F. Mitrovic and C. Petrovic

[Phys. Rev. B 76, 115105 \(2007\)](#)

Број бодова = 8 ИФ: 3.322 СНИП:1.601

$M_i/A_i = 2.667$ $\mu_i/A_i = 1.107$ $C_i/A_i = 0.537$

51. Colossal positive magnetoresistance in a doped nearly magnetic semiconductor

Rongwei Hu, K. J. Thomas, Y. Lee, T. Vogt, E. S. Choi, V. F. Mitrović, R. P. Hermann, F. Grandjean, P. C. Canfield, J. W. Kim, A. I. Goldman and C. Petrovic

[Phys. Rev. B. 77, 085212 \(2008\)](#)

Број бодова $8/(1+0.2(12-7)) = 4$ ИФ: 3.322 СНИП:1.512

$M_i/A_i = 0.300$ $\mu_i/A_i = 0.277$ $C_i/A_i = 0.126$

50. Spin-lattice relaxation time of conduction electrons in MgB_2

F. Simon, F. Muranyi, T. Feher, A. Janossy, L. Forro C. Petrovic, S. L. Bud'ko and P. C. Canfield

[Phys. Rev. B 76, 024519 \(2007\)](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 3.172 СНИП:1.601

$M_i/A_i = 0.834$ $\mu_i/A_i = 0.396$ $C_i/A_i = 0.537$

49. Spin resonance in the d-wave superconductor CeCoIn_5

C. Stock, C. L. Broholm, J. Hudis, H. J. Kang and C. Petrovic

[Phys. Rev. Lett. 100, 087001 \(2008\)](#)

Број бодова = 10 ИФ: 7.301 СНИП:2.85

$M_i/A_i = 2.000$ $\mu_i/A_i = 1.4602$ $C_i/A_i = 0.57$

48. Anisotropy of electrical transport and superconductivity in metal chains of Nb_2Se_3

Rongwei Hu, K. Lauritch-Kullas, J. O'Brian, V. F. Mitrovic and C. Petrovic

[Phys. Rev. B: 75, 064517 \(2007\)](#)

Број бодова = 8 ИФ: 3.172 СНИП:1.601

$M_i/A_i = 1.600$ $\mu_i/A_i = 0.634$ $C_i/A_i = 0.320$

47. Anisotropy in magnetic and transport properties of $\text{Fe}_{1-x}\text{Co}_x\text{Sb}_2$

Rongwei Hu, V. F. Mitrovic and C. Petrovic

[Phys. Rev. B 74, 195130 \(2006\)](#)

Број бодова = 8 ИФ: 3.107 СНИП:1.513

$M_i/A_i = 2.667$ $\mu_i/A_i = 1.136$ $C_i/A_i = 0.504$

46. Hybrid gap structure in the heavy fermion superconductor CeIrIn_5

H. Shakeripour, M. A. Tanatar, S. Y. Li, L. Taillefer and C. Petrovic

[Phys. Rev. Lett 99, 187004 \(2007\)](#)

Број бодова = 10 ИФ: 7.403 СНИП:2.776

$M_i/A_i = 2.000$ $I_i/A_i = 1.481$ $C_i/A_i = 0.555$

45. Optical investigation of the metal-insulator transition in FeSb₂

A. Perucchi, L. Degiorgi, Rongwei Hu, C. Petrovic, V. Mitrovic

[European Physical Journal B 54, 175 \(2006\)](#)

Број бодова = 5 ИФ: 1.778 СНИП:0.973

$M_i/A_i = 1.000$ $I_i/A_i = 0.356$ $C_i/A_i = 0.195$

44. Field dependent coherence length in the high-kappa superconductor CeCoIn₅

L. DeBeer-Schmitt, C. D. Dewhurst, B. W. Hoogenboom, C. Petrovic and M. R. Eskildsen

[Phys. Rev. Lett. 97, 127001 \(2006\)](#)

Број бодова = 10 ИФ: 7.328 СНИП:2.488

$M_i/A_i = 2.000$ $I_i/A_i = 1.466$ $C_i/A_i = 0.498$

43. Non-vanishing energy scales at the quantum critical point of CeCoIn₅

J. Paglione, M. A. Tanatar, D. G. Hawthorn, F. Ronning, R. W. Hill, M. Sutherland, L. Taillefer and C. Petrovic

[Phys. Rev. Lett 97, 106606 \(2006\)](#)

Број бодова $10/(1+0.2(8-7)) = 8.33$ ИФ: 7.328 СНИП:2.488

$M_i/A_i = 1.041$ $I_i/A_i = 0.916$ $C_i/A_i = 0.311$

42. Magnetic and transport properties of RCoIn₅ (R=Pr,Nd) and RCoGa₅ (R=Tb-Tm)

J. Hudis, Rongwei Hu, C. L. Broholm, V. F. Mitrovic and C. Petrovic

[J. Magn. Magn. Mater. 307, 301 \(2006\)](#)

Број бодова = 5 ИФ: 1.134 СНИП:0.879

$M_i/A_i = 1.000$ $I_i/A_i = 0.227$ $C_i/A_i = 0.176$

41. Penetration depth studies of organic and heavy fermion superconductors in the Pauli paramagnetic limit

C. C. Agosta, C. Martin, H. A. Radovan, E. Palm, T. P. Murphy, S. W. Tozer, J. C. Cooley, J. A. Schlueter and C. Petrovic

[J. Phys. Chem. Solids 67, 586 \(2006\)](#)

Број бодова $5/(1+0.2(9-7)) = 3.57$ ИФ: 1.265 СНИП:0.951

$M_i/A_i = 0.397$ $I_i/A_i = 0.140$ $C_i/A_i = 0.106$

40. Colossal magnetoresistance in Fe_{1-x}Co_xSb₂

C. Petrovic, K. J. Thomas, Y. Lee, T. Vogt, S. L. Bud'ko and P. C. Canfield

[Proceedings of SPIE-The International Society for Optical Engineering \(2005\), 5932](#)

(Strongly Correlated Electron Materials: Physics and Nanoengineering)

Нема категоризацију

39. Unpaired electrons in the superconducting state of heavy fermion CeCoIn₅

M. A. Tanatar, J. Paglione, D. G. Hawthorn, E. Boaknin, R. W. Hill, F. Ronning, M. Sutherland, L. Taillefer, C. Petrovic and P. C. Canfield

[Phys. Rev. Lett. 95, 067002 \(2005\)](#)

Број бодова $10/(1+0.2(10-7)) = 6.25$ ИФ: 6.078 СНИП:2.137

$M_i/A_i = 0.625$ $I_i/A_i = 0.608$ $C_i/A_i = 0.214$

38. Magnetic-field-induced density of states in MgB₂: Spin susceptibility measured by

conduction-electron spin resonance

F. Simon, A. Jánossy, T. Fehér, F. Murányi, S. Garaj, L. Forró, C. Petrovic, S. Bud'ko, R. A. Ribeiro, and P. C. Canfield

[Phys. Rev. B 72, 012511 \(2005\)](#)

Број бодова $8/(1+0.2(10-7)) = 5$ ИФ: 3.185 СНИП:1.188

$M_i/A_i = 0.500$ $\mu_i/A_i = 0.318$ $C_i/A_i = 0.119$

37. Kondo Insulator description of spin state transition in FeSb₂

C. Petrovic, Y. Lee, T. Vogt, N. Dj. Lazarov, S. L. Bud'ko and P. C. Canfield

[Phys. Rev. B 72 \(4\), 045103 \(2005\)](#)

Број бодова = 8 ИФ: 3.185 СНИП:1.188

$M_i/A_i = 1.333$ $\mu_i/A_i = 0.531$ $C_i/A_i = 0.198$

36. Spectroscopic evidence for multiple order parameters in the heavy fermion superconductor CeCoIn₅

P. M. C. Rourke, M. A. Tanatar, C. S. Tyrel, J. Berderklis, J. Y. T. Wei and C. Petrovic

[Phys. Rev. Lett. 94, 107005 \(2005\)](#)

Број бодова = 10 ИФ: 6.078 СНИП:2.137

$M_i/A_i = 1.667$ $\mu_i/A_i = 1.013$ $C_i/A_i = 0.356$

35. Heat transport as a probe of electron scattering by spin fluctuations: the case of antiferromagnetic CeRhIn₅

J. Paglione, M. A. Tanatar, D. G. Hawthorn, E. Boaknin, R. W. Hill, F. Ronning, M. Sutherland, L. Taillefer, C. Petrovic and P. C. Canfield

[Phys. Rev. Lett. 94, 216602 \(2005\)](#)

Број бодова $10/(1+0.2(10-7)) = 6.25$ ИФ: 6.078 СНИП:2.137

$M_i/A_i = 0.625$ $\mu_i/A_i = 0.608$ $C_i/A_i = 0.214$

34. Field induced Quantum Critical Point in CeCoIn₅

J. Paglione, M. A. Tanatar, D. G. Hawthorn, E. Boaknin, R. W. Hill, F. Ronning, M. Sutherland, L. Taillefer, C. Petrovic, P. C. Canfield

[Physica C 408-410, 705 \(2004\)](#)

Број бодова $5/(1+0.2(10-7)) = 3.125$ ИФ: 1.072 СНИП:0.658

$M_i/A_i = 0.312$ $\mu_i/A_i = 0.107$ $C_i/A_i = 0.066$

33. Spin-spin correlations in Yb₂Ti₂O₇: A polarised neutron scattering study

J. S. Gardner, G. Ehlers, N. Rosov, R. W. Erwin and C. Petrovic

[Phys. Rev B 70, 180404 \(2004\)](#)

Број бодова = 8 ИФ: 3.075 СНИП:1.139

$M_i/A_i = 1.600$ $\mu_i/A_i = 0.615$ $C_i/A_i = 0.228$

32. Anisotropy and large magnetoresistance in narrow-gap semiconductor FeSb₂

C. Petrovic, J. W. Kim, S. L. Bud'ko, A.I. Goldman, P. C. Canfield, W. Choe and G. J. Miller

[Phys. Rev. B 67, 155205 \(2003\)](#)

Број бодова = 8 ИФ: 2.962 СНИП:1.245

$M_i/A_i = 1.143$ $\mu_i/A_i = 0.423$ $C_i/A_i = 0.178$

31. Effects of boron purity, Mg stoichiometry and carbon substitution on properties of polycrystalline MgB₂

R. A. Ribeiro, S. L. Bud'ko, C. Petrovic and P. C. Canfield
[Physica C 385, 16 \(2003\)](#)

Број бодова = 5 ИФ: 1.192 СНИП:0.660
 $M_i/A_i = 1.250$ $H_i/A_i = 0.298$ $C_i/A_i = 0.165$

30. Field-induced quantum critical point in CeCoIn₅

J. Paglione, M. A. Tanatar, D. G. Hawthorn, E. Boaknin, R. W. Hill, F. Ronning,
M. Sutherland, L. Taillefer, C. Petrovic and P. C. Canfield
[Phys. Rev. Letters 91, 246405 \(2003\)](#)

Број бодова $10/(1+0.2(10-7)) = 6.25$ ИФ: 7.035 СНИП:2.774
 $M_i/A_i = 0.625$ $H_i/A_i = 0.703$ $C_i/A_i = 0.274$

29. Carbon doping of superconducting magnesium diboride

R. A. Ribeiro, S. L. Bud'ko, C. Petrovic and P. C. Canfield
[Physica C 384, 227 \(2003\)](#)

Број бодова = 5 ИФ: 1.192 СНИП:0.660
 $M_i/A_i = 1.250$ $H_i/A_i = 0.298$ $C_i/A_i = 0.165$

28. Hexagonal and square flux line lattices in CeCoIn₅

M. R. Eskildsen, C. D. Dewhurst, B. W. Hoogenboom, C. Petrovic and P. C. Canfield
[Phys. Rev. Letters 90, 187001 \(2003\)](#)

Број бодова = 10 ИФ: 7.035 СНИП:2.774
 $M_i/A_i = 2.000$ $H_i/A_i = 1.407$ $C_i/A_i = 0.555$

27. Synthesis and properties of YbB₂

M. A. Avila, S. L. Bud'ko, C. Petrovic, R. A. Ribeiro and P. C. Canfield
[Journal of Alloys and Compounds 358, 56 \(2003\)](#)

Број бодова = 8 ИФ: 1.080 СНИП:1.044
 $M_i/A_i = 1.600$ $H_i/A_i = 0.216$ $C_i/A_i = 0.209$

26. Magnetism, structure and superconductivity in Ce₂RhIn₈

M. Nicklas, V. A. Sidorov, H. A. Borges, P. G. Pagliuso, C. Petrovic, Z. Fisk,
J. L. Sarrao and J. D. Thompson
[Phys. Rev. B 67, 020506 \(2003\)](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 2.962 СНИП:1.245
 $M_i/A_i = 0.834$ $H_i/A_i = 0.370$ $C_i/A_i = 0.156$

25. Anisotropic properties of rare-earth silver dibismites

C. Petrovic, S. L. Bud'ko, P. C. Canfield and J. Strand
[J. Magn. Magn. Mater 261, 210 \(2003\)](#)

Број бодова = 5 ИФ: 0.980 СНИП:0.909
 $M_i/A_i = 1.250$ $H_i/A_i = 0.245$ $C_i/A_i = 0.227$

24. Manufacture of superconducting magnesium diboride objects from boron objects with similar form

D. K. Finnemore, P. C. Canfield, S. L. Bud'ko, J. E. Ostenson, C. Petrovic,
C. E. Cunningham and G. Lapertot
[U.S. Pat. Appl. Publ. \(2002\), 12 pp](#)

Нема категоризацију

23. Basic physical properties of polycrystalline MgB₂ pellets and wires

P. C. Canfield, S. L. Bud'ko, D. K. Finnemore, G. Lapertot, C. Petrovic,
C. E. Cunningham, V. G. Kogan, M-H. Jung and A. H. Lacerda
[Studies of High Temperature Superconductors 38, 1-24 \(2002\) book chapter \(Nova Science\)](#)
Нема категоризацију

22. Effects of stoichiometry, purity, etching and distilling on resistance of MgB_2 pellets and wire segments

R. Ribeiro, S. L. Bud'ko, C. Petrovic and P. C. Canfield
[Physica C 382, 194 \(2002\)](#)

Број бодова = 5 ИФ: 0.912 СНИП:0.649
 $M_i/A_i = 1.250$ $H_i/A_i = 0.228$ $C_i/A_i = 0.162$

21. Effects of La substitution in the superconducting state of CeCoIn_5

C. Petrovic, S. L. Bud'ko, V. G. Kogan and P. C. Canfield
[Phys. Rev. B 66, 054534 \(2002\)](#)

Број бодова = 10 ИФ: 3.327 СНИП:1.868
 $M_i/A_i = 2.500$ $H_i/A_i = 0.832$ $C_i/A_i = 0.467$

20. Anomalous superconducting properties and field induced magnetism in CeCoIn_5

T. P. Murphy, D. Hall, E. C. Palm, S. W. Tozer, C. Petrovic, Z. Fisk, R. G. Goodrich,
P. G. Pagliuso, J. L. Sarrao and Z. Fisk
[Phys. Rev. B 65, 100514 \(2002\)](#)

Број бодова $10/(1+0.2(10-7)) = 6.25$ ИФ: 3.327 СНИП:1.868
 $M_i/A_i = 0.625$ $H_i/A_i = 0.333$ $C_i/A_i = 0.187$

19. Anisotropic properties of rare earth dibismites

C. Petrovic, S. L. Bud'ko and P. C. Canfield
[J. Magn. Magn. Mater. 247\(3\), 270 \(2002\)](#)

Број бодова = 5 ИФ: 1.169 СНИП:1.133
 $M_i/A_i = 1.667$ $H_i/A_i = 0.390$ $C_i/A_i = 0.378$

18. Unusual Kondo behavior in the indium-rich heavy-fermion antiferromagnet $\text{Ce}_3\text{Pt}_4\text{In}_{13}$

M. F. Hundley, J. L. Sarrao, J. D. Thompson, R. Movshovich, M. Jaime, C. Petrovic
and Z. Fisk
[Physical Review B 65, 024401 \(2001\)](#)

Број бодова = 10 ИФ: 3.382 СНИП:1.729
 $M_i/A_i = 1.428$ $H_i/A_i = 0.483$ $C_i/A_i = 0.247$

17. Superconductivity and magnetism in a new class of heavy fermion materials

J.D. Thompson, R. Movshovich, Z. Fisk, F. Bouquet, N.J. Curro, R. A. Fisher,
P.C. Hammel, H. Hegger, M.F. Hundley, M. Jaime, P. G. Pagliuso, C. Petrovic,
N. E. Phillips, J. L. Sarrao
[Journal of Magn. Magn. Matter. 226-230 \(2001\)](#)

Број бодова $8/(1+0.2(14-7)) = 3.33$ ИФ: 1.354 СНИП:0.962
 $M_i/A_i = 0.238$ $H_i/A_i = 0.097$ $C_i/A_i = 0.069$

16. Anisotropy of superconducting MgB_2 , as seen in electron spin resonance and magnetization data

F. Simon, A. Janossy, T. Feher, F. Muranyi, S. Garaj, L. Forro, C. Petrovic,
S. L. Bud'ko, G. Lapertot, V. G. Kogan and P.C. Canfield

[Phys. Rev. Lett. 87, 047002 \(2001\)](#)

Број бодова $10/(1+0.2(11-7)) = 5.55$ ИФ: 6.668 СНИП:3.228

$M_i/A_i = 0.504$ $H_i/A_i = 0.606$ $C_i/A_i = 0.293$

15. Synthesis and processing of MgB₂ powders and wires

C. E. Cunningham, C. Petrovic, G. Lapertot, S. L. Bud'ko, F. Laabs, W. Straszheim, D. K. Finnemore and P.C. Canfield

[Physica C 353, 5 \(2001\)](#)

Број бодова $5/(1+0.2(8-7)) = 4.17$ ИФ: 3.382 СНИП:0.722

$M_i/A_i = 0.521$ $H_i/A_i = 0.422$ $C_i/A_i = 0.090$

14. Electronic structure of CeRhIn₅: de Haas-van Alphen and energy band calculations

D. Hall, E. C. Palm, T. P. Murphy, S. W. Tozer, C. Petrovic, E. Miller-Ricci, L. Peabody, C. Q. H. Li, U. Alver, R. G. Goodrich, J. L. Sarrao, P. G. Pagliuso, J. M. Willis and Z. Fisk

[Physical Review B 64, 064506 \(2001\)](#)

Број бодова $10/(1+0.2(14-7)) = 4.17$ ИФ: 3.382 СНИП:1.729

$M_i/A_i = 0.298$ $H_i/A_i = 0.241$ $C_i/A_i = 0.123$

13. Superconducting MgB₂ films by pulsed laser deposition

S. R. Shinde, S. B. Ogale, R. L. Greene, T. Venkatesan, P.C. Canfield, S. L. Bud'ko, G. Lapertot, and C. Petrovic

[Applied Physics Letters 79 \(2\), 1 \(2001\)](#)

Број бодова $10/(1+0.2(8-7)) = 8.33$ ИФ: 3.849 СНИП:2.198

$M_i/A_i = 1.041$ $H_i/A_i = 0.481$ $C_i/A_i = 0.275$

12. Magnetoresistivity and H_{c2}(T) in MgB₂

S. L. Bud'ko, C. Petrovic, G. Lapertot, C. E. Cunningham, P.C. Canfield, M-H. Jung and A. Lacerda

[Phys. Rev. B 63 R220503 \(2001\)](#)

Број бодова = 10 ИФ: 3.382 СНИП:1.729

$M_i/A_i = 1.428$ $H_i/A_i = 0.483$ $C_i/A_i = 0.247$

11. Coexistence of magnetism and superconductivity in CeRh_{1-x}Ir_xIn₅

P. G. Pagliuso, C. Petrovic, R. Movshovich, D. Hall, M. F. Hundley, J.L. Sarrao, J. D. Thompson and Z. Fisk

[Phys. Rev B 64, 100503\(R\) \(2001\)](#)

Број бодова $10/(1+0.2(8-7)) = 8.33$ ИФ: 3.382 СНИП:1.729

$M_i/A_i = 1.041$ $H_i/A_i = 0.423$ $C_i/A_i = 0.216$

10. Unconventional superconductivity in CeIrIn₅ and CeCoIn₅: Specific heat and thermal conductivity studies

R. Movshovich, M. Jaime, J. D. Thompson, C. Petrovic, Z. Fisk, P. G. Pagliuso and J. L. Sarrao

[Phys. Rev. Lett 86, 5152 \(2001\)](#)

Број бодова = 10 ИФ: 6.668 СНИП:3.228

$M_i/A_i = 1.428$ $H_i/A_i = 0.952$ $C_i/A_i = 0.461$

9. Superconductivity in dense MgB₂ wires

P.C. Canfield, D. K. Finnemore, J.E. Ostenson, G. Lapertot, C. E. Cunningham, and C. Petrovic

[Phys. Rev. Lett. 86, 2423 \(2001\)](#)

Број бодова = 10 ИФ: 6.668 СНИП:3.228

$M_i/A_i = 1.667$ $\mu_i/A_i = 1.111$ $C_i/A_i = 0.538$

8. Boron isotope effect in superconducting MgB₂

S. L. Bud'ko, G. Lapertot, C. Petrovic, C. E. Cunningham, N. Anderson and P.C. Canfield

[Phys. Rev. Lett. 86, 1877 \(2001\)](#)

Број бодова = 10 ИФ: 6.668 СНИП:3.228

$M_i/A_i = 1.667$ $\mu_i/A_i = 1.111$ $C_i/A_i = 0.538$

7. Heavy fermion superconductivity in CeCoIn₅ at 2.3 K

C. Petrovic, P. G. Pagliuso, M.F. Hundley, R. Movshovich, J.L. Sarrao, J. D. Thompson, Z. Fisk and P. Monthoux

[J. Phys.: Cond. Matter Lett.13, L337 \(2001\)](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 1.611 СНИП:1.04

$M_i/A_i = 0.834$ $\mu_i/A_i = 0.201$ $C_i/A_i = 0.130$

6. Possible mixed-valence behavior of CeIr₂Ga and YbIr₂Ga

C. Petrovic, M.F. Hundley, R. Movshovich, P.G. Pagliuso, J.L. Sarrao, J. D. Thompson, Z. Fisk, A. Garcia, E. Granado, I. Torriani, C. Rettori

[J. Magn. Magn. Mater. 225, 317 \(2001\)](#)

Број бодова $8/(1+0.2(11-7)) = 4.44$ ИФ: 1.354 СНИП:0.962

$M_i/A_i = 0.404$ $\mu_i/A_i = 0.123$ $C_i/A_i = 0.087$

5. Magnetic and transport properties of RIr₂Ga series (R=La, Pr, Nd, Sm, Gd-Tm)

C. Petrovic, M.F. Hundley, R. Movshovich, P.G. Pagliuso, J.L. Sarrao, J. D. Thompson and Z. Fisk

[J. Alloys and Compounds 325, \(2001\) 1-5](#)

Број бодова = 8 ИФ: 0.953 СНИП:0.968

$M_i/A_i = 1.143$ $\mu_i/A_i = 0.136$ $C_i/A_i = 0.275$

4. A new heavy-fermion superconductor CeIrIn₅: a relative of the cuprates?

C. Petrovic, R. Movshovich, M. Jaime, P.G. Pagliuso, M.F. Hundley, J. L. Sarrao, Z. Fisk and J.D. Thompson

[Europhys. Lett. 53\(3\), 354 \(2001\)](#)

Број бодова $8/(1+0.2(8-7)) = 6.67$ ИФ: 2.256 СНИП:1.17

$M_i/A_i = 0.834$ $\mu_i/A_i = 0.282$ $C_i/A_i = 0.146$

3. Competing ground states in heavy-fermion materials

J.D. Thompson, H. Hegger, D. Louca, G. H. Kwei, R. Movshovich, C. Petrovic and J.L. Sarrao

[J. Alloys and Compounds 303-304, 239 \(2000\)](#)

Број бодова = 8 ИФ: 0.845 СНИП:0.992

$M_i/A_i = 1.143$ $\mu_i/A_i = 0.121$ $C_i/A_i = 0.142$

2. Pressure-induced superconductivity in quasi-2D CeRhIn₅

H. Hegger, C. Petrovic, E. G. Moshopolou, M.F. Hundley, J.L. Sarrao, Z. Fisk and J.D. Thompson

[Phys. Rev Lett. 84, 4986 \(2000\)](#)

Број бодова = 10 ИФ: 6.462 СНИП:3.126

$M_i/A_i = 1.428$ $H_i/A_i = 0.923$ $C_i/A_i = 0.446$

1. **Atomic disorder in the heavy fermion superconductor $\text{CeCu}_{2+x}\text{Si}_2$**

D. Louca, J.D. Thompson, J.M. Lawrence, R. Movshovich, C. Petrovic, J.L. Sarrao and G. H. Kwei

[Phys. Rev. B 61, R14940 \(2000\)](#)

Број бодова = 10 ИФ: 2.981 СНИП:1.635

$M_i/A_i = 1.428$ $H_i/A_i = 0.426$ $C_i/A_i = 0.233$