

Radosław Szczęśniak

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3830574/publications.pdf>

Version: 2024-02-01

62
papers

768
citations

586496

16
h-index

651938

25
g-index

62
all docs

62
docs citations

62
times ranked

557
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixedness, Coherence and Entanglement in a Family of Three-Qubit States. Entropy, 2022, 24, 324.	1.1	6
2	Phonon-mediated superconductivity in bismuthates by nonadiabatic pairing. Physical Review B, 2021, 104, .	1.1	7
3	Stability and superconductivity of Ca-intercalated bilayer blue phosphorene. Physical Chemistry Chemical Physics, 2021, 23, 2846-2852.	1.3	5
4	Evidence of Phonon-Mediated Superconductivity in LaH_{10} at High Pressure. Annalen Der Physik, 2021, 533, 2000518.	0.9	12
5	New superconducting superhydride LaC_2H_8 at relatively low stabilization pressure. Physical Chemistry Chemical Physics, 2021, 23, 25070-25074.	1.3	18
6	Nonadiabatic superconductivity in a Li-intercalated hexagonal boron nitride bilayer. Beilstein Journal of Nanotechnology, 2020, 11, 1178-1189.	1.5	2
7	Isotope effect in superconducting lanthanum hydride under high compression. Physical Review B, 2020, 101, .	1.1	28
8	Pressure effects on the superconductivity in FeH_5 compound. Physica B: Superconductivity, 2020, 564, 412063.	1.3	1
9	Superconductivity of LaH_{10} and LaH_{16} polyhydrides. Physical Review B, 2020, 101, .	1.1	62
10	Atomically Thin 1T-FeCl_2 Grown by Molecular-Beam Epitaxy. Journal of Physical Chemistry C, 2020, 124, 9416-9423.	1.5	50
11	Atom-dependent superconducting transition temperature in monolayer graphene. Superconductor Science and Technology, 2019, 32, 125005.	1.8	4
12	Signatures of nonadiabatic superconductivity in lithium-decorated graphene. Physical Review B, 2019, 99, .	1.1	17
13	Revealing the anisotropy effects on the critical magnetic field in CaC_6 superconductor. Modern Physics Letters B, 2019, 33, 1950089.	1.0	0
14	Thermodynamic properties of superconducting GeH_3 under high pressure. Journal of Physics and Chemistry of Solids, 2019, 132, 110-115.	1.9	0
15	Superconductivity in bilayer graphene intercalated with alkali and alkaline earth metals. Physical Chemistry Chemical Physics, 2019, 21, 5925-5931.	1.3	27
16	Non-parametric application of Tsallis statistics to systems consisting of M hydrogen molecules. Physica A: Statistical Mechanics and Its Applications, 2019, 518, 1-12.	1.2	2
17	Ab-initio study of superconducting state in intercalated MoSe_2 and WSe_2 bilayers. Physica B: Condensed Matter, 2018, 536, 773-776.	1.3	2
18	Multi-band description of the specific heat and thermodynamic critical field in MgB_2 superconductor. Physica B: Condensed Matter, 2018, 536, 726-729.	1.3	2

#	ARTICLE	IF	CITATIONS
19	Gradual reduction of the superconducting transition temperature of H ₃ S by partial replacing sulfur with phosphorus. <i>Physica C: Superconductivity and Its Applications</i> , 2018, 554, 38-43.	0.6	13
20	Unbalanced Superconductivity Induced by the Constant Electron-Phonon Coupling on a Square Lattice. <i>Annalen Der Physik</i> , 2018, 530, 1800139.	0.9	3
21	Strain effect on thermodynamic properties of superconducting Nb ₂ InC. <i>Physica C: Superconductivity and Its Applications</i> , 2018, 555, 39-44.	0.6	1
22	Anomalously high value of Coulomb pseudopotential for the H ₅ S ₂ superconductor. <i>Scientific Reports</i> , 2018, 8, 11957.	1.6	9
23	Unusual sulfur isotope effect and extremely high critical temperature in H ₃ S superconductor. <i>Scientific Reports</i> , 2018, 8, 6037.	1.6	21
24	Structural, electronic, vibrational, and superconducting properties of hydrogenated chlorine. <i>Journal of Chemical Physics</i> , 2018, 149, 074101.	1.2	15
25	The half-filled superconducting system with on-site inter-band interactions. <i>Physica C: Superconductivity and Its Applications</i> , 2018, 552, 1-18.	0.6	0
26	Pseudogap in the Eliashberg approach based on electron-phonon and electron-electron-phonon interaction. <i>Annalen Der Physik</i> , 2017, 529, 1600254.	0.9	8
27	Doping dependence of critical temperature for superconductivity induced by hole-phonon interaction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 3332-3336.	0.9	4
28	First-principles study of superconducting hydrogen sulfide at pressure up to 500 GPa. <i>Scientific Reports</i> , 2017, 7, 4473.	1.6	32
29	Non-BCS superconducting state in yttrium hydride at a record low value of the external pressure. <i>Solid State Communications</i> , 2017, 250, 5-8.	0.9	9
30	The isotope effect in H ₃ S superconductor. <i>Solid State Communications</i> , 2017, 249, 30-33.	0.9	11
31	Quantum steering in an asymmetric chain of nonlinear oscillators. <i>Photonics Letters of Poland</i> , 2017, 9, 97.	0.2	5
32	On the Magnetic Penetration Depth in Superconducting Ultrathin Lead Films. <i>Acta Physica Polonica A</i> , 2017, 131, 1051-1053.	0.2	0
33	Low-Temperature Thermodynamic Properties of Superconducting Antiperovskite CdNi ₃ . <i>Journal of Low Temperature Physics</i> , 2016, 183, 387-398.	0.6	2
34	Thermodynamic parameters of Zr superconductor at structural phase transition. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 538-544.	0.7	2
35	On the Ratio of the Energy Gap Amplitude to the Critical Temperature for Cuprates (Acta Physica) Tj ETQq1 1 0.784314 rgBT ₀ / Overlo	0.2	0
36	Non-BCS thermodynamic properties of H_2S superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2015, 515, 1-6.	0.6	56

#	ARTICLE	IF	CITATIONS
37	Detailed study of the superconducting properties in compressed germane. European Physical Journal B, 2015, 88, 1.	0.6	1
38	Comparison study of superconductivity in zirconium and hafnium based electron-doped layered chloronitrides. Physica B: Condensed Matter, 2015, 475, 66-72.	1.3	0
39	Thermodynamic properties of antiperovskite MgCNi3 in superconducting phase. Solid State Communications, 2015, 203, 63-68.	0.9	12
40	Estimation of the superconducting parameters for silane at high pressure. Modern Physics Letters B, 2014, 28, 1450052.	1.0	6
41	On the Thermodynamic Critical Field for the K _{3C₆₀} and Rb _{3C₆₀} Fullerides. Acta Physica Polonica A, 2014, 126, 342-343.	0.2	4
42	Theoretical description of the SrPt3P superconductor in the strong-coupling limit. Physica Scripta, 2014, 89, 125701.	1.2	11
43	On the thermodynamic properties of the Rb3C60 superconductor. Cryogenics, 2014, 61, 38-42.	0.9	5
44	High temperature superconducting properties of atomic hydrogen at 802 GPa. Solid State Communications, 2014, 195, 55-60.	0.9	4
45	Study of the superconducting phase in silicene under biaxial tensile strain. Solid State Communications, 2014, 200, 17-21.	0.9	23
46	Properties of the pressure-induced superconducting state in trihydrides ScH ₃ and LaH ₃ . Superconductor Science and Technology, 2014, 27, 115012.	1.8	25
47	Superconductivity in $\hat{1}\pm$ -polonium at the reduced volume. Journal of Physics and Chemistry of Solids, 2014, 75, 224-229.	1.9	2
48	Thermodynamics of the superconducting phase in compressed $\langle \text{mml:math altimg="si0002.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co$	0.9	4
49	Influence of lithium doping on the thermodynamic properties of graphene based superconductors. Journal of Physics Condensed Matter, 2014, 26, 255701.	0.7	18
50	Strong-coupling superconductivity in CaLi2 under the pressure of 100GPa. Solid State Communications, 2014, 192, 93-97.	0.9	0
51	The High Pressure Superconductivity of CaLi2 Compound: The Thermodynamic Properties. Journal of Low Temperature Physics, 2013, 171, 769-778.	0.6	9
52	The high-pressure superconductivity in SiH4: The strong-coupling approach. Solid State Communications, 2013, 172, 5-9.	0.9	9
53	The thermodynamic properties of the high-pressure superconducting state in the hydrogen-rich compounds. Solid State Sciences, 2013, 25, 45-54.	1.5	26
54	The characterization of high-pressure superconducting state in compound: The strong-coupling description. Journal of Physics and Chemistry of Solids, 2013, 74, 641-646.	1.9	16

#	ARTICLE	IF	CITATIONS
55	Study of the superconducting state in the Cmmm phase of GeH ₄ compound. Solid State Communications, 2013, 165, 39-44.	0.9	15
56	On the critical temperature and the energy gap in dense H_2 at 250GPa. Solid State Communications, 2013, 153, 26-30.	0.9	17
57	SPECIFIC HEAT AND THERMODYNAMIC CRITICAL FIELD FOR CALCIUM UNDER THE PRESSURE AT 120 GPa. Modern Physics Letters B, 2012, 26, 1250050.	1.0	15
58	Properties of the superconducting state in compressed sulphur. Phase Transitions, 2012, 85, 727-734.	0.6	17
59	Quantum conductance of silicon-doped carbon wire nanojunctions. Nanoscale Research Letters, 2012, 7, 616.	3.1	21
60	Pairing Mechanism for the High-TC Superconductivity: Symmetries and Thermodynamic Properties. PLoS ONE, 2012, 7, e31873.	1.1	41
61	The superconducting phase of calcium under the pressure at 200GPa: The strong-coupling description. Solid State Communications, 2012, 152, 1018-1022.	0.9	16
62	Superconductivity of calcium in phase VI. Physica C: Superconductivity and Its Applications, 2012, 472, 15-20.	0.6	15