P Boulet

List of Publications by Year in descending order

188 papers	4,427 citations	117453 34 h-index	128067 60 g-index
199 all docs	199 docs citations	199 times ranked	4651 citing authors

#	Article	IF	Citations
1	Plutonium-based superconductivity with a transition temperature above 18â€‰K. Nature, 2002, 420, 297-299.	13.7	483
2	A critical appraisal of polymerâ€“clay nanocomposites. Chemical Society Reviews, 2008, 37, 568-594.	18.7	369
3	Advances in the preparation and characterization of transuranium systems. Journal of Physics Condensed Matter, 2003, 15, S2279-S2285.	0.7	149
4	Structural Tuning of Unconventional Superconductivity inPuMGa5(M=Co,Rh). Physical Review Letters, 2004, 93, 147005.	2.9	114
5	Dielectric, magnetic, and phonon properties of nickel hydroxide. Physical Review B, 2011, 84, .	1.1	99
6	VN thin films as electrode materials for electrochemical capacitors. Electrochimica Acta, 2014, 141, 203-211.	2.6	98
7	Absorption Spectra of Several Metal Complexes Revisited by the Time-Dependent Density-Functional Theory-Response Theory Formalism. Journal of Physical Chemistry A, 2001, 105, 885-894.	1.1	96
8	Magnetic and electronic properties of the antiferromagnetNpCoGa5. Physical Review B, 2004, 69, .	1.1	95
9	Isothermal Î±â€³ formation in Î² metastable titanium alloys. Journal of Alloys and Compounds, 2013, 577, S439-S443.	2.8	90
10	Application of sputtered ruthenium nitride thin films as electrode material for energy-storage devices. Scripta Materialia, 2013, 68, 659-662.	2.6	85
11	Toward Highâ€Quality Epitaxial LiNbO₃ and LiTaO₃ Thin Films for Acoustic and Optical Applications. Advanced Materials Interfaces, 2017, 4, 1600998.	1.9	80
12	Recent advances in understanding the structure and reactivity of clays using electronic structure calculations. Computational and Theoretical Chemistry, 2006, 762, 33-48.	1.5	77
13	Crystal and magnetic structure of the uranium digermanide UGe2. Journal of Alloys and Compounds, 1997, 247, 104-108.	2.8	76
14	Physical properties of skutterudites , M = Fe, Co, Rh, Ir. European Physical Journal B, 2000, 14, 483-493.	0.6	74
15	Interlayer Structure and Bonding in Nonswelling Primary Amine Intercalated Clays. Macromolecules, 2005, 38, 6189-6200.	2.2	73
16	Hypothetical High-Surface-Area Carbons with Exceptional Hydrogen Storage Capacities: Open Carbon Frameworks. Journal of the American Chemical Society, 2012, 134, 15130-15137.	6.6	66
17	Low-temperature heat capacity measurements on encapsulated transuranium samples. Journal of Nuclear Materials, 2005, 344, 50-55.	1.3	62
18	Combined experimental and theoretical investigations of clayâ€“polymer nanocomposites: intercalation of single bifunctional organic compounds in Na+-montmorillonite and Na+-hectorite clays for the design of new materials. Journal of Materials Chemistry, 2003, 13, 2540-2550.	6.7	55

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19	Magnetic structure and metamagnetism in single crystals ofNpCoGa5. Physical Review B, 2005, 72, .	1.1	52
20	Adsorption of the uremic toxin p-cresol onto hemodialysis membranes and microporous adsorbent zeolite silicalite. Journal of Biotechnology, 2006, 123, 164-173.	1.9	51
21	Identification of LiNbO₃, LiNb₃O₈and Li₃NbO₄phases in thin films synthesized with different deposition techniques by means of XRD and Raman spectroscopy. Journal of Physics Condensed Matter, 2013, 25, 205901.	0.7	50
22	Uranium secondary phase formation during anoxic hydrothermal leaching processes of UO2 nuclear fuel. Journal of Nuclear Materials, 2005, 341, 209-223.	1.3	48
23	Electronic properties of the Mg2Si thermoelectric material investigated by linear-response density-functional theory. Computational Materials Science, 2011, 50, 847-851.	1.4	46
24	Simulation of hydrated Li+-, Na+- and K+-montmorillonite/polymer nanocomposites using large-scale molecular dynamics. Chemical Physics Letters, 2004, 389, 261-267.	1.2	45
25	Intercalation and in situ polymerization of poly(alkylene oxide) derivatives within M+-montmorillonite (M = Li, Na, K). Journal of Materials Chemistry, 2006, 16, 1082.	6.7	45
26	Tuning the structure and preferred orientation in reactively sputtered copper oxide thin films. Applied Surface Science, 2015, 335, 85-91.	3.1	44
27	Adsorption of Carbon Dioxide on Mesoporous Zirconia: Microcalorimetric Measurements, Adsorption Isotherm Modeling, and Density Functional Theory Calculations. Journal of Physical Chemistry C, 2011, 115, 10097-10103.	1.5	43
28	Antiferromagnetic order in NpRhGa5. Journal of Alloys and Compounds, 2005, 386, 57-62.	2.8	42
29	Adsorption of small uremic toxin molecules on MFI type zeolites from aqueous solution. Adsorption, 2008, 14, 377-387.	1.4	38
30	AlN films deposited by dc magnetron sputtering and high power impulse magnetron sputtering for SAW applications. Journal Physics D: Applied Physics, 2015, 48, 145307.	1.3	38
31	DFT Investigation of Metal Complexes Containing a Nitrosyl Ligand. 1. Ground State and Metastable States. Journal of Physical Chemistry A, 2001, 105, 8991-8998.	1.1	37
32	Understanding the Formation of New Clusters of Alkali and Alkaline Earth Metals:Â A New Synthetic Approach, Single-Crystal Structures, and Theoretical Calculations. Journal of the American Chemical Society, 2003, 125, 3593-3604.	6.6	35
33	DFT Investigation of Metal Complexes Containing a Nitrosyl Ligand. 2. Excited States. Journal of Physical Chemistry A, 2001, 105, 8999-9003.	1.1	34
34	Chemical environment and functional properties of highly crystalline ZnSnN2 thin films deposited by reactive sputtering at room temperature. Solar Energy Materials and Solar Cells, 2018, 182, 30-36.	3.0	34
35	Reference Raman spectra of synthesized CaCl₂â€‰Â·â€‰nH₂O solids (nâ€‰=â€‰0,) Tj E	1.2	33
36	Properties of rare-earth orthoferrites perovskite driven by steric hindrance. Journal of Alloys and Compounds, 2016, 657, 631-638.	2.8	32

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37	The system Ceâ€“Agâ€“Sn: phase equilibria and magnetic properties. Intermetallics, 1999, 7, 931-935.	1.8	31
38	Controlling the preferred orientation in sputter-deposited Cu2O thin films: Influence of the initial growth stage and homoepitaxial growth mechanism. Acta Materialia, 2014, 76, 207-212.	3.8	30
39	Tuning of the electronic properties inPuCoGa5by actinide (U, Np) and transition-metal (Fe, Rh, Ni) substitutions. Physical Review B, 2005, 72, .	1.1	29
40	Near-room temperature single-domain epitaxy of reactively sputtered ZnO films. Journal Physics D: Applied Physics, 2013, 46, 235107.	1.3	28
41	Structural chemistry, magnetism and electrical properties of binary Nd silicides. Journal of Alloys and Compounds, 2001, 315, 75-81.	2.8	27
42	Influence of the modified Becke-Johnson exchange potential on thermoelectric properties: Application to Mg2Si. Journal of Chemical Physics, 2011, 135, 234702.	1.2	26
43	Crystal Structure and Magnetic Behavior of the Uranium Monogermanide UGe. Journal of Solid State Chemistry, 1997, 129, 113-116.	1.4	25
44	Specific heat and anisotropy of the nonconventional superconductorsPuCoGa5andPuRhGa5. Physical Review B, 2007, 75, .	1.1	24
45	Phase transformations in Higher Manganese Silicides. Journal of Alloys and Compounds, 2013, 551, 30-36.	2.8	24
46	Thermoelectric Properties of Mg₂Si Thin Films by Computational Approaches. Journal of Physical Chemistry C, 2014, 118, 19635-19645.	1.5	24
47	Growth, interfacial microstructure and optical properties of NiO thin films with various types of texture. Acta Materialia, 2019, 164, 648-653.	3.8	24
48	Crystal structure and magnetic properties of the uranium germanide U5Ge4. Journal of Alloys and Compounds, 1997, 262-263, 229-234.	2.8	23
49	Absorption and emission spectroscopy of matrix-isolated benzo[g,h,i]perylene: An experimental and theoretical study for astrochemical applications. Journal of Chemical Physics, 2001, 115, 1769-1776.	1.2	23
50	Oxidation of Methanol to Formaldehyde Catalyzed by V2O5. A Density Functional Theory Study. Journal of Physical Chemistry B, 2002, 106, 9659-9667.	1.2	23
51	Residual stresses and clamped thermal expansion in LiNbO₃ and LiTaO₃ thin films. Applied Physics Letters, 2012, 101, 122902.	1.5	23
52	Stoichiometric Lithium Niobate Crystals: Towards Identifiable Wireless Surface Acoustic Wave Sensors Operable up to 600ÂÂ°C. , 2019, 3, 1-4.		23
53	Phase equilibria and magnetic studies in the ternary system Ceâ€“Auâ€“Sn. Journal of Alloys and Compounds, 2001, 317-318, 350-356.	2.8	22
54	Theoretical study of interstellar hydroxylamine chemistry: protonation and proton transfer mediated by H3+. Chemical Physics, 1999, 244, 163-174.	0.9	21

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55	Crystal and magnetic structure of the binary uranium germanide U3Ge5. Journal of Alloys and Compounds, 1999, 283, 41-44.	2.8	21
56	Photochemistry of the CpNiNO Complex. A Theoretical Study Using Density Functional Theory. Inorganic Chemistry, 2001, 40, 7032-7039.	1.9	21
57	Magnetic properties of the two allotropic phases ofPuGa3. Physical Review B, 2005, 72, .	1.1	21
58	Multiplet structure in Pu-based compounds: A photoemission case study ofPuSix(0.5â©½xâ©½2)films. Physical Review B, 2005, 71, .	1.1	21
59	Microscopic Mechanism of Adsorption in Cylindrical Nanopores with Heterogenous Wall Structure. Langmuir, 2008, 24, 4013-4019.	1.6	21
60	The high temperature behavior of barium zirconium diorthophosphate. Thermochimica Acta, 2005, 436, 51-55.	1.2	20
61	Synthesis and electronic properties of Thâ€“N films. Journal of Alloys and Compounds, 2002, 336, 73-76.	2.8	19
62	Pressure dependence of the superconductivity in PuCoGa5. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 154-155.	1.0	19
63	Influence of self-irradiation damages on the superconducting behaviour of Pu-based compounds. Physica B: Condensed Matter, 2005, 359-361, 1078-1080.	1.3	19
64	Role of Cu⁺ on ZnS:Cu p-type semiconductor films grown by sputtering: influence of substitutional Cu in the structural, optical and electronic properties. RSC Advances, 2016, 6, 43480-43488.	1.7	19
65	Magnetic properties of the binary uranium stannides. Solid State Communications, 1998, 107, 135-139.	0.9	18
66	Geometrically frustrated magnetism of spins on icosahedral clusters: The Gd<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>Au<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>13</mml:mn></mml:msub></mml:math>Sn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>4</mml:mn><mml:mn><	1.1	18
67	Issues in growing Heusler compounds in thin films for spintronic applications. Journal of Applied Physics, 2020, 128, 241102.	1.1	18
68	Magnetotransport of compounds in the Uâ€“Ge system. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 805-824.	0.6	17
69	Pressure effect on systems (, Rh, Ir). Physica B: Condensed Matter, 2005, 359-361, 1093-1095.	1.3	17
70	Effect of Biaxial Strain on Electronic and Thermoelectric Properties of Mg2Si. Journal of Electronic Materials, 2013, 42, 3458-3466.	1.0	17
71	High-pressure structural parameters of the superconductorsCeMIn5andPuMGa5(M=Co,Rh). Physical Review B, 2005, 72, .	1.1	16
72	Structure of yttria stabilized zirconia beads produced by gel supported precipitation. Journal of Materials Science, 2007, 42, 4650-4658.	1.7	16

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73	AlN/IDT/AlN/Sapphire SAW Heterostructure for High-Temperature Applications. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 898-906.	1.7	16
74	The binary system Puâ€“Si: crystallochemistry and magnetic properties. Journal of Physics Condensed Matter, 2003, 15, S2305-S2308.	0.7	15
75	Thickness dependent stresses and thermal expansion of epitaxial LiNbO3 thin films on C-sapphire. Materials Chemistry and Physics, 2015, 149-150, 622-631.	2.0	15
76	Localised growth of CuO nanowires by micro-afterglow oxidation at atmospheric pressure: Investigation of the role of stress. Surface and Coatings Technology, 2016, 305, 254-263.	2.2	14
77	Structural chemistry, magnetic properties and electrical resistivity of the ternary germanides R2RuGe2 (R=Y, Laâ€“Nd, Gdâ€“Er). Physica B: Condensed Matter, 2000, 292, 302-319.	1.3	13
78	UPd3under high pressure:â€ƒLattice properties. Physical Review B, 2003, 67, .	1.1	13
79	Adsorption in cylindrical pores: Mixed lattice-site/off-site Monte Carlo simulations in pores with heterogeneous wall structure. Applied Surface Science, 2007, 253, 5596-5600.	3.1	13
80	Cation size effect on the thermochromic properties of rare earth cobaltites<i>RE</i>CoO₃(<i>RE</i>: La, Nd, Sm). Journal of Applied Physics, 2013, 114, 113510.	1.1	13
81	Mechanism of adsorption of p-cresol uremic toxin into faujasite zeolites in presence of water and sodium cations â€“ A Monte Carlo study. Microporous and Mesoporous Materials, 2013, 173, 70-77.	2.2	13
82	Optical properties of Ce-doped SiO2 films: From isolated Ce3+ ions to formation of cerium silicate. Journal of Alloys and Compounds, 2015, 622, 358-361.	2.8	13
83	High-frequency surface acoustic wave devices based on epitaxial Z-LiNbO3 layers on sapphire. Applied Physics Letters, 2019, 114, .	1.5	13
84	Magnetic properties of diluted band ferromagnet URhAl. Physical Review B, 2004, 69, .	1.1	12
85	Molecular Simulations of Water and Paracresol in MFI Zeolite - A Monte Carlo Study. Langmuir, 2009, 25, 11598-11607.	1.6	12
86	Crystal and Magnetic Structure of New Ternary Uranium Intermetallics: U3TiX5(X=Ge, Sn). Journal of Solid State Chemistry, 1999, 144, 311-317.	1.4	11
87	Magnetic and electrical properties of dhcp<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Np</mml:mi><mml:msub><mml:mi mathvariant="normal">Pd</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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91	Probing the growth window of LaVO3 perovskites thin films elaborated using magnetron co-sputtering. Ceramics International, 2019, 45, 16658-16665.	2.3	11
92	Effects of deposition parameters on the microstructure and mechanical properties of Ti(C,N) produced by moderate temperature chemical vapor deposition (MT-CVD) on cemented carbides. Vacuum, 2022, 195, 110650.	1.6	11
93	Complex metallic alloys in the Ceâ€“Auâ€“Sn system: a study of the atomic and electronic structures. Journal of Physics Condensed Matter, 2008, 20, 095218.	0.7	10
94	Computational investigation of the adsorption of carbon dioxide onto zirconium oxide clusters. Journal of Molecular Modeling, 2012, 18, 4819-4830.	0.8	10
95	Substitutional Atom Influence on the Electronic and Transport Properties of Mn4Si7. Journal of Electronic Materials, 2014, 43, 761-773.	1.0	10
96	Linear Thermal Expansion Coefficients of Higher Manganese Silicide Compounds. Physics Procedia, 2014, 55, 24-29.	1.2	10
97	Magnetic susceptibility and spin-lattice interactions inU1â^'xPuxO2single crystals. Physical Review B, 2002, 66, .	1.1	9
98	Morphology and elastic modulus of novel poly[oligo(ethylene glycol) diacrylate]-montmorillonite nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 1785-1793.	2.4	9
99	Role of self-irradiation defects on the ageing of 239 PuCoGa 5. Europhysics Letters, 2007, 78, 57008.	0.7	9
100	Erbium location into AlN films as probed by spatial resolution experimental techniques. Acta Materialia, 2015, 90, 37-45.	3.8	9
101	Investigations of AlN thin film crystalline properties in a wide temperature range by in situ x-ray diffraction measurements: Correlation with AlN/sapphire-based SAW structure performance. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 1397-1402.	1.7	9
102	LaFeOxNy perovskite thin films: Nitrogen location and its effect on morphological, optical and structural properties. Journal of Alloys and Compounds, 2017, 724, 74-83.	2.8	9
103	Theoretical and experimental study of ScAlN/Sapphire structure based SAW sensor. , 2017, , .		9
104	Structural chemistry of the neptuniumâ€“silicon binary system. Journal of Alloys and Compounds, 2003, 349, 172-179.	2.8	8
105	Discovery of plutonium-based superconductivity. Journal of Physics Condensed Matter, 2003, 15, S2275-S2278.	0.7	8
106	A new family of heavy-fermion compounds: U4TGa12 (T=Fe, Co, Rh and Pd). Journal of Alloys and Compounds, 2007, 432, 39-44.	2.8	8
107	Effect of deposition temperature on the physical properties of RF magnetron sputtered Agâ€“Cuâ€“O films with various Cu to Ag ratios. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1655-1659.	0.8	8
108	Effect of deposition conditions on the stoichiometry and structural properties of LiNbO₃thin films deposited by MOCVD. Proceedings of SPIE, 2013, , .	0.8	8

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109	Local heteroepitaxial growth to promote the selective growth orientation, crystallization and interband transition of sputtered NiO thin films. CrystEngComm, 2016, 18, 1732-1739.	1.3	8
110	Crystal structure and physical properties of NpPdSn. Physica B: Condensed Matter, 2005, 359-361, 1102-1104.	1.3	7
111	Adsorption into the MFI zeolite of aromatic molecule of biological relevance. Investigations by Monte Carlo simulations. Journal of Molecular Modeling, 2009, 15, 573-579.	0.8	7
112	Effect of Thermal Stresses Formed during Air Annealing of Amorphous Lanthanum Cuprate Thin Films Deposited on Silicon Substrate. Coatings, 2020, 10, 613.	1.2	7
113	Elaboration of high-transparency ZnO thin films by ultrasonic spray pyrolysis with fast growth rate. Superlattices and Microstructures, 2021, 156, 106945.	1.4	7
114	Structural Chemistry of the Neptuniumâ€“Germanium Binary System. Journal of Solid State Chemistry, 2001, 156, 313-320.	1.4	6
115	Specific heat in AnTX compounds. Physica B: Condensed Matter, 2005, 359-361, 1018-1020.	1.3	6
116	Magnetisation and specific heat study of PuGa2. Journal of Alloys and Compounds, 2005, 394, 93-95.	2.8	6
117	Magnetic properties of NpNiGa5. Journal of Physics Condensed Matter, 2007, 19, 246202.	0.7	6
118	Adsorption of small uremic toxin molecules onto zeolites: a first step towards an alternative kidney. Studies in Surface Science and Catalysis, 2007, 170, 1015-1020.	1.5	6
119	Magnetic and electronic properties of NpRhGe. Journal of Physics Condensed Matter, 2008, 20, 255234.	0.7	6
120	Structural investigation of the Zn1â^'xCdxSb solid solution by density-functional theory approach. Solid State Sciences, 2010, 12, 26-32.	1.5	6
121	Grand canonical monte carlo modeling of hydrogen adsorption on phosphorus-doped open carbon framework. Adsorption, 2013, 19, 869-877.	1.4	6
122	Al3AuIr: A New Compound in the Alâ€“Auâ€“Ir System. Inorganic Chemistry, 2015, 54, 7898-7905.	1.9	6
123	Relationship Processingâ€“Compositionâ€“Structureâ€“Resistivity of LaNiO3 Thin Films Grown by Chemical Vapor Deposition Methods. Coatings, 2019, 9, 35.	1.2	6
124	Theoretical and experimental approaches for the determination of functional properties of MgSnN2 thin films. Solar Energy Materials and Solar Cells, 2022, 244, 111797.	3.0	6
125	Phase equilibria and magnetic studies in the ternary system Uâ€“Agâ€“Sn. Journal of Alloys and Compounds, 1999, 283, 49-53.	2.8	5
126	Phase equilibria and magnetic studies in the ternary system Uâ€“Auâ€“Sn. Journal of Alloys and Compounds, 2000, 306, 11-16.	2.8	5

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127	Neutron diffraction studies of the binary uranium stannides USn2 and U3Sn7. Journal of Alloys and Compounds, 2001, 329, 47-49.	2.8	5
128	Superconductors containing Pu: PuCoGa5 and related systems. Physica C: Superconductivity and Its Applications, 2004, 412-414, 10-13.	0.6	5
129	Electrical resistivity and specific heat studies of NpFe4Al8. Journal of Alloys and Compounds, 2006, 416, 164-168.	2.8	5
130	Specific heat in system. Physica B: Condensed Matter, 2006, 378-380, 1007-1008.	1.3	5
131	Adsorption of paracresol in silicalite-1 and pure silica faujasite. A comparison study using molecular simulation. Applied Surface Science, 2010, 256, 5470-5474.	3.1	5
132	Investigation of New Routes for the Synthesis of Mn4Si7. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 1645-1650.	1.1	5
133	Phase formation in Mnâ€“Si thin films during rapid thermal annealing. Intermetallics, 2013, 37, 69-75.	1.8	5
134	Epitaxial growth of magnetostrictive TbFe2 films on piezoelectric LiNbO3. Journal of Physics Condensed Matter, 2019, 31, 405801.	0.7	5
135	Magnetic behaviour of NpRhGe and PuRhGe. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E327-E328.	1.0	4
136	Tuning of the PuCoGa5 superconductor by U and Np substitution. Physica B: Condensed Matter, 2005, 359-361, 1075-1077.	1.3	4
137	Magnetic susceptibility of DHCP. Physica B: Condensed Matter, 2005, 359-361, 1156-1158.	1.3	4
138	Magnetic properties of stoichiometric NpFe4Al8. Journal of Physics Condensed Matter, 2005, 17, 909-922.	0.7	4
139	Self-Irradiation Effects on PuTGa5Superconductors. Journal of the Physical Society of Japan, 2006, 75, 47-49.	0.7	4
140	Direct observation of phase coherence in 3-kmagnetic configurations. Philosophical Magazine, 2006, 86, 2553-2565.	0.7	4
141	Melting mechanism of monolayers adsorbed in cylindrical pores: An influence of the pore wall roughness. Applied Surface Science, 2007, 253, 5601-5605.	3.1	4
142	Modeling of adsorption in pores with strongly heterogeneous walls: parametric lattice-site wall model. Adsorption, 2008, 14, 201-205.	1.4	4
143	Synthesis of RuO 2 nanowires from Ru thin films by atmospheric pressure micro-post-discharge. Surface and Coatings Technology, 2016, 295, 13-19.	2.2	4
144	First investigations on stoichiometric lithium niobate as piezoelectric substrate for high-temperature surface acoustic waves applications. , 2017, , .		4

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145	Magnetic properties of the new NpGe2â^' (ThSi2 type) binary compound. Journal of Alloys and Compounds, 2002, 337, 44-47.	2.8	3
146	Heat capacity studies of the system. Physica B: Condensed Matter, 2006, 378-380, 981-982.	1.3	3
147	Magnetic and related properties of AnPd2Sn (, U, Np, Pu) system. Physica B: Condensed Matter, 2008, 403, 847-849.	1.3	3
148	Magnetic and electronic properties of NpCo2: Evidence for long-range magnetic order. Physical Review B, 2013, 87, .	1.1	3
149	Unusual behaviour of (Np,Pu)B2C. Philosophical Magazine, 2015, 95, 649-660.	0.7	3
150	Random-anisotropy ferromagnetic state in theCu5Gd0.54Ca0.42intermetallic compound. Physical Review B, 2016, 93, .	1.1	3
151	Extended X-ray absorption fine structure study of the Er bonding in AlNO:Erx films with xâ€‰â‰‰â€‰3.6%. Journal of Applied Physics, 2018, 124, 085705.	1.1	3
152	Effect of LiNbO₃polarity on the structural, optical and acoustic properties of epitaxial ZnO and Mg_xZn_{1â^'x}O films. Journal Physics D: Applied Physics, 2018, 51, 484003.	1.3	3
153	Deposition and characterization of ZnO thin films on GaAs and Pt/GaAs substrates. Materials Chemistry and Physics, 2020, 247, 122854.	2.0	3
154	Thermal stability of oxygen vacancy stabilized zirconia (OVSZ) thin films. Surface and Coatings Technology, 2021, 409, 126880.	2.2	3
155	High-energy magnetic excitations in UCoAl. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E333-E334.	1.0	2
156	Quenching of PuCoGa5 superconducting parameters by Fe/Co and Ni/Co substitution. Physica B: Condensed Matter, 2005, 359-361, 1081-1083.	1.3	2
157	X-ray and237Np MÃ¶ssbauer effect investigation on the NpB2C compound. Journal of Physics: Conference Series, 2010, 217, 012140.	0.3	2
158	A new complex hexagonal phase in the Ceâ€“Auâ€“Sn system and its structure relationship with the 1/1 approximant. Journal of Alloys and Compounds, 2010, 492, 439-445.	2.8	2
159	Low-dimensional materials for thermoelectric applications. International Journal of Nanotechnology, 2012, 9, 368.	0.1	2
160	Correlation between structural properties of AlN/Sapphire and performances of SAW devices in wide temperature range. , 2014, , .		2
161	Synthesis of RuO2 Nanowires by Alkali-Assisted Oxidation of Ruthenium in Plasma Afterglow at Atmospheric Pressure. IEEE Nanotechnology Magazine, 2017, 16, 624-633.	1.1	2
162	Local Homoepitaxial Growth in Sputtered NiO Thin Films: An Effective Approach to Tune the Crystallization, Preferred Growth Orientation, and Electrical Properties. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800191.	1.2	2

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163	Overview of the U3TGe5 family with T=Ti, V, Cr, Mn, Zr, Nb, Mo, Hf, Ta and W: Nine new members, phase formation, stability, structural and physical properties and electronic structures. Journal of Solid State Chemistry, 2019, 277, 260-270.	1.4	2
164	Magnetic anisotropy switching induced by shape memory effect in NiTi/Ni bilayer. Applied Physics Letters, 2019, 115, .	1.5	2
165	Room temperature cathodoluminescence quenching of Er3+ in AlNOEr. Journal of Luminescence, 2019, 205, 97-101.	1.5	2
166	Paramagnetism and martensite stabilization of tensile strained NiTi shape memory alloy. Applied Physics Letters, 2020, 117, .	1.5	2
167	Efficient Access to Arylated Azaâ€ullazines by Regioselective Functionalization of their Pyridine Ring by Hâ^'Li Exchange and Electrophilic Substitution. European Journal of Organic Chemistry, 2021, 2021, 3331-3339.	1.2	2
168	Isothermal section of the phase diagram uraniumâ€“titaniumâ€“germanium at 1000Â°c. Materials Research Bulletin, 1999, 34, 1929-1933.	2.7	1
169	Plutonium-Based Superconductivity: The Audacity of the 5f Electrons?. AIP Conference Proceedings, 2003, , .	0.3	1
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