

Thomas T M Palstra

List of Publications by Year in descending order

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252
papers

23,316
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263
docs citations

263
times ranked

16792
citing authors

#	ARTICLE	IF	CITATIONS
1	Superconductivity at 18 K in potassium-doped C60. <i>Nature</i> , 1991, 350, 600-601.	13.7	2,964
2	The origin of ferroelectricity in magnetoelectric YMnO ₃ . <i>Nature Materials</i> , 2004, 3, 164-170.	13.3	1,081
3	Superconducting and Magnetic Transitions in the Heavy-Fermion System URu ₂ Si ₂ . <i>Physical Review Letters</i> , 1985, 55, 2727-2730.	2.9	909
4	Superconductivity at 28 K in RbxC ₆₀ . <i>Physical Review Letters</i> , 1991, 66, 2830-2832.	2.9	848
5	Effect of impurities on the mobility of single crystal pentacene. <i>Applied Physics Letters</i> , 2004, 84, 3061-3063.	1.5	837
6	Thermally Activated Dissipation in Bi ₂ Sr ₂ Ca _{0.8} Cu ₂ O ₈ +f. <i>Physical Review Letters</i> , 1988, 61, 1662-1665.	2.9	824
7	Dissipative flux motion in high-temperature superconductors. <i>Physical Review B</i> , 1990, 41, 6621-6632.	1.1	676
8	C ₆₀ thin film transistors. <i>Applied Physics Letters</i> , 1995, 67, 121-123.	1.5	546
9	Magnetic excitations and ordering in the heavy-electron superconductor URu ₂ Si ₂ . <i>Physical Review Letters</i> , 1987, 58, 1467-1470.	2.9	529
10	Thermodynamic and Electron Diffraction Signatures of Charge and Spin Ordering in La _{1-x} Ca _x MnO ₃ . <i>Physical Review Letters</i> , 1996, 76, 3188-3191.	2.9	434
11	Interface-Controlled, High-Mobility Organic Transistors. <i>Advanced Materials</i> , 2007, 19, 688-692.	11.1	367
12	Critical currents and thermally activated flux motion in high-temperature superconductors. <i>Applied Physics Letters</i> , 1989, 54, 763-765.	1.5	319
13	Polymorphism in pentacene. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 939-941.	0.4	307
14	Pressure effects on the magnetoresistance in doped manganese perovskites. <i>Physical Review B</i> , 1995, 52, 15046-15049.	1.1	300
15	Low-temperature structure of rubrene single crystals grown by vapor transport. <i>Acta Crystallographica Section B: Structural Science</i> , 2006, 62, 330-334.	1.8	285
16	Identification of polymorphs of pentacene. <i>Synthetic Metals</i> , 2003, 138, 475-481.	2.1	279
17	Temperature-induced magnetization reversal in a YVO ₃ single crystal. <i>Nature</i> , 1998, 396, 441-444.	13.7	276
18	Spin-Polarized Transport across Sharp Antiferromagnetic Boundaries. <i>Physical Review Letters</i> , 2002, 88, 247204.	2.9	269

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19	Confinement Effects in Low-Dimensional Lead Iodide Perovskite Hybrids. Chemistry of Materials, 2016, 28, 4554-4562.	3.2	263
20	Vacancies in functional materials for clean energy storage and harvesting: the perfect imperfection. Chemical Society Reviews, 2017, 46, 1693-1706.	18.7	234
21	Evidence for orbital ordering in LaCoO ₃ . Physical Review B, 2003, 67, .	1.1	222
22	Study of the critical behaviour of the magnetization and electrical resistivity in cubic La(Fe, Si) ₁₃ compounds. Journal of Magnetism and Magnetic Materials, 1983, 36, 290-296.	1.0	217
23	Modeling the Polymorphism of Pentacene. Journal of the American Chemical Society, 2003, 125, 6323-6330.	6.6	214
24	Superparamagnetic behavior of structural domains in epitaxial ultrathin magnetite films. Physical Review B, 1998, 57, R8107-R8110.	1.1	211
25	Angular dependence of the upper critical field of Bi ₂ Sr ₂ Ca _{0.8} Cu ₂ O ₈ + δ . Physical Review B, 1988, 38, 5102-5105.	1.1	210
26	Ferroelectricity in the cycloidal spiral magnetic phase of MnWO ₄ . Physical Review B, 2006, 74, .	1.1	201
27	Coexisting Ferromagnetic and Ferroelectric Order in a CuCl ₄ -based Organic-Inorganic Hybrid. Chemistry of Materials, 2012, 24, 133-139.	3.2	200
28	Origin of the increased resistivity in epitaxial Fe ₃ O ₄ films. Physical Review B, 2002, 66, .	1.1	199
29	Anisotropic electrical resistivity of the magnetic heavy-fermion superconductor URu ₂ Si ₂ . Physical Review B, 1986, 33, 6527-6530.	1.1	181
30	Spin gap and antiferromagnetic correlations in the Kondo insulator CeNiSn. Physical Review Letters, 1992, 69, 490-493.	2.9	178
31	Mictomagnetic, ferromagnetic, and antiferromagnetic transitions in La(Fe _x Al _{1-x}) ₁₃ intermetallic compounds. Physical Review B, 1985, 31, 4622-4632.	1.1	170
32	Transport entropy of vortex motion in YBa ₂ Cu ₃ O ₇ . Physical Review Letters, 1990, 64, 3090-3093.	2.9	165
33	Transport mechanisms in doped LaMnO ₃ : Evidence for polaron formation. Physical Review B, 1997, 56, 5104-5107.	1.1	157
34	Magnetic properties of YVO ₃ single crystals. Physical Review B, 2000, 62, 6577-6586.	1.1	148
35	Electronic transport properties of K ₃ C ₆₀ films. Physical Review Letters, 1992, 68, 1054-1057.	2.9	140
36	Magnetic and electrical properties of La ₂ xSr _x NiO ₄ + δ . Physical Review B, 1991, 43, 1229-1232.	1.1	137

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55	Magnetoelectric coupling in MnTiO_3 . Physical Review B, 2011, 83, .	1.1	96
56	Large Coupled Magnetoresponses in EuNbO_2N . Journal of the American Chemical Society, 2008, 130, 12572-12573.	6.6	95
57	Hexagonal YMnO_3 . Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 230-232.	0.4	94
58	Orbital-Order-Induced Metal-Insulator Transition in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. Physical Review Letters, 2003, 90, 066403.	2.9	93
59	The Heterocyclic Diradical Benzo-1,2:4,5-bis(1,3,2-dithiazolyl). Electronic, Molecular and Solid State Structure. Journal of the American Chemical Society, 1997, 119, 2633-2641.	6.6	90
60	Preparation and solid-state structures of (cyanophenyl)dithia- and (cyanophenyl)diselenadiazolyl radicals. Inorganic Chemistry, 1992, 31, 1802-1808.	1.9	89
61	Absence of saturation in the normal-state resistivity of thin films of $\text{K}_3\text{C}_6\text{O}$ and $\text{Rb}_3\text{C}_6\text{O}$. Physical Review B, 1993, 48, 9945-9948.	1.1	86
62	Direct Two-Magnon Optical Absorption in NaV_2O_5 : Charged Magnons. Physical Review Letters, 1998, 81, 918-921.	2.9	86
63	Carbon Nanotubes Encapsulating Superconducting Single-Crystalline Tin Nanowires. Nano Letters, 2006, 6, 1131-1135.	4.5	86
64	The Role of Connectivity on Electronic Properties of Lead Iodide Perovskite-Derived Compounds. Inorganic Chemistry, 2017, 56, 8408-8414.	1.9	83
65	Conducting charge-transfer salts based on neutral $\dot{\text{I}}$ -radicals. Nature, 1993, 365, 821-823.	13.7	79
66	Quenched-disorder-induced magnetization jumps in $(\text{Sm},\text{Sr})\text{MnO}_3$. Physical Review B, 2004, 70, .	1.1	79
67	Magnetic properties of $\text{La}(\text{Fe}_x\text{Al}_{1-x})_3$ determined via neutron scattering and Mössbauer spectroscopy. Physical Review B, 1986, 34, 169-173.	1.1	78
68	Inversion Symmetry in the Spin-Peierls Compound NaV_2O_5 . Acta Crystallographica Section C: Crystal Structure Communications, 1998, 54, 1558-1561.	0.4	78
69	Controlling the Early Stages of Pentacene Growth by Supersonic Molecular Beam Deposition. Physical Review Letters, 2007, 98, 076601.	2.9	75
70	Enhancing the magnetoelectric coupling in YMnO_3 by Ga doping. Physical Review B, 2007, 75, .	1.1	74
71	Metal-insulator transition in ammoniated $\text{K}_3\text{C}_6\text{O}$. Physical Review B, 1996, 53, R8836-R8839.	1.1	72
72	Antiferromagnetism and Its Relation to the Superconducting Phases of UPt_3 . Physical Review Letters, 1995, 75, 1178-1181.	2.9	69

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73	Preparation and Characterization of the Disjoint Diradical 4,4'-Bis(1,2,3,5-dithiadiazolyl) [S ₂ N ₂ Câ''CN ₂ S ₂] and Its Iodine Charge Transfer Salt [S ₂ N ₂ Câ''CN ₂ S ₂][I]. Journal of the American Chemical Society, 1996, 118, 330-338.	6.6	69
74	Spin-Hall magnetoresistance and spin Seebeck effect in spin-spiral and paramagnetic phases of multiferroic CoCr_2O_4 . Physical Review B, 2015, 92, .	11.67	
75	Hexakis(triethylphosphine)octatelluridohexachromium and a molecule-based synthesis of chromium telluride, Cr ₃ Te ₄ . Inorganic Chemistry, 1993, 32, 5165-5169.	1.9	66
76	New magnetic phase of the chiral skyrmion material Cu ₂ OSeO ₃ . Science Advances, 2018, 4, eaat7323.	4.7	66
77	Specific heat, susceptibility and high-field magnetisation experiments on heavy fermion UPt ₃ alloyed with Pd. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 113, 489-494.	0.9	64
78	Role of anisotropy in the dissipative behavior of high-temperature superconductors. Physical Review B, 1991, 43, 3756-3759.	1.1	64
79	Competing orbital ordering in RVO_3 compounds: Neutron x-ray diffraction and thermal expansion. Physical Review B, 2007, 76, .	1.1	64
80	Molecular conductors from neutral-radical charge-transfer salts: preparation and characterization of an I doped hexagonal phase of 1,2,3,5-dithiadiazolyl ([HCN ₂ S ₂].bul.). Journal of the American Chemical Society, 1994, 116, 1205-1210.	6.6	63
81	Asymmetry of electron and hole doping in YMnO ₃ . Physical Review B, 2001, 63, .	1.1	63
82	Structural and electronic properties of (NH ₃) ₃ K ₃ Bi ₂ Cl ₉ . Physical Review B, 1995, 52, 483-489.	1.1	62
83	Cross-Linking of Multiwalled Carbon Nanotubes with Polymeric Amines. Macromolecules, 2008, 41, 6141-6146.	2.2	58
84	Polar Nature of (CH ₃) ₃ NH ₃ Bi ₂ Cl ₉ Perovskite-Like Hybrids. Inorganic Chemistry, 2017, 56, 33-41.	1.9	58
85	Surface sensitivity of the spin Seebeck effect. Journal of Applied Physics, 2014, 116, .	1.1	56
86	Band gap narrowing of SnS ₂ superstructures with improved hydrogen production. Journal of Materials Chemistry A, 2016, 4, 209-216.	5.2	56
87	Spin fluctuations and superconductivity in UPt ₃ . Journal of Physics F: Metal Physics, 1984, 14, L191-L196.	1.6	54
88	Preparation and solid-state structural, electronic, and magnetic properties of the 1,3,5-benzene-bridged tris(1,2,3,5-dithiadiazolyl) [1,3,5-C ₆ H ₃ (CN ₂ S ₂) ₃]. Journal of the American Chemical Society, 1992, 114, 5000-5004.	6.6	52
89	Charge Transfer Salts of Benzene-Bridged 1,2,3,5-Dithiadiazolyl Diradicals. Preparation, Structures, and Transport Properties of 1,3- and 1,4-[(S ₂ N ₂ C)C ₆ H ₄ (CN ₂ S ₂)] [X] (X = I, Br). Journal of the American Chemical Society, 1995, 117, 6880-6888.	6.6	52
90	Influence of magnetic on ferroelectric ordering in LuMnO ₃ . Physical Review B, 2004, 69, .	1.1	52

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91	Evidence of upper-critical-field enhancement in K ₃ C ₆₀ powders. <i>Physical Review B</i> , 1992, 46, 5876-5879.	1.1	51
92	Polymorphism of 1,3-phenylene bis(diselenadiazolyl). Solid-state structural and electronic properties of β-1,3-[(Se ₂ N ₂ C) ₆ H ₄ (CN ₂ Se ₂)]. <i>Journal of the American Chemical Society</i> , 1992, 114, 1729-1732.	6.6	51
93	Superconductivity in the ternary rare-earth (Y, La, and Lu) compounds R ₂ Pd ₂ Si ₂ and R ₂ Rh ₂ Si ₂ . <i>Physical Review B</i> , 1986, 34, 4566-4570.	1.1	50
94	Superconducting phases of URu ₂ Si ₂ . <i>Physical Review B</i> , 1991, 44, 5392-5395.	1.1	50
95	Magnetic properties of cubic La(FexAl _{1-x}) ₁₃ intermetallic compounds. <i>Journal of Applied Physics</i> , 1984, 55, 2367-2369.	1.1	47
96	The Influence of Defects on the Electron-Transfer and Magnetic Properties of RbxMn[Fe(CN) ₆] _y ·zH ₂ O. <i>Chemistry of Materials</i> , 2006, 18, 1951-1963.	3.2	47
97	Metamagnetic transitions in cubic La(FexAl _{1-x}) ₁₃ intermetallic. <i>Journal of Physics F: Metal Physics</i> , 1984, 14, 1961-1966.	1.6	46
98	On the mechanism of charge transport in pentacene. <i>Journal of Chemical Physics</i> , 2008, 129, 044704.	1.2	46
99	Electronic Band Structure of Tetracene-TCNQ and Perylene-TCNQ Compounds. <i>Journal of Physical Chemistry A</i> , 2008, 112, 2497-2502.	1.1	46
100	Spin-Singlet Clusters in the Ladder Compound NaV ₂ O ₅ . <i>Physical Review Letters</i> , 2000, 84, 3962-3965.	2.9	45
101	Crystal-structure transformations and magnetic-ordering phenomena in GdCu _{1-x} Gax. <i>Physical Review B</i> , 1983, 27, 1887-1902.	1.1	44
102	Evidence for Electronic Phase Separation between Orbital Orderings in SmVO ₃ . <i>Physical Review Letters</i> , 2006, 96, 036401.	2.9	43
103	Phase diagram and magnetic relaxation phenomena in Cu ₂ OSeO ₃ . <i>Physical Review B</i> , 2016, 94, .	1.1	43
104	Experimental evidence for an intermediate phase in the multiferroic YMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2007, 19, 466212.	0.7	42
105	Top-down and bottom-up approaches to transparent, flexible and luminescent nitrogen-doped carbon nanodot-clay hybrid films. <i>Nanoscale</i> , 2017, 9, 10256-10262.	2.8	41
106	Self-Assembly of Low-Dimensional Arrays of Thiophene Oligomers from Solution on Solid Substrates. <i>Advanced Materials</i> , 2000, 12, 563-566.	11.1	40
107	Remarkable Stability of High Energy Conformers in Self-Assembled Monolayers of a Bistable Electro- and Photoswitchable Overcrowded Alkene. <i>Journal of Physical Chemistry C</i> , 2011, 115, 22965-22975.	1.5	40
108	Electrical detection of spiral spin structures in Pt _{1-x} Ir _x . <i>Physical Review B</i> , 2016, 94, .	1.1	39

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109	Controlling the volatility of the written optical state in electrochromic DNA liquid crystals. <i>Nature Communications</i> , 2016, 7, 11476.	5.8	39
110	Bulk superconductivity in the heavy-fermion superconductor UPt ₃ . <i>Physical Review B</i> , 1984, 30, 2986-2988.	1.1	38
111	Crystal Growth, Structure, and Electronic Band Structure of Tetracene-TCNQ. <i>Journal of Physical Chemistry C</i> , 2007, 111, 3486-3489.	1.5	38
112	Micropatterned 2D Hybrid Perovskite Thin Films with Enhanced Photoluminescence Lifetimes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12878-12885.	4.0	38
113	Fermi-liquid behavior in the electrical resistivity of K ₃ C ₆₀ and Rb ₃ C ₆₀ . <i>Physical Review B</i> , 1994, 50, 3462-3465.	1.1	37
114	Molecular materials from 1,3,2-dithiazolyis. Solid-state structures and magnetic properties of 2,3-naphthalene and quinoxaline derivatives. <i>Chemical Communications</i> , 1997, , 873-874.	2.2	37
115	Effect of ionic size on the orbital ordering transition in RMnO ₃ + $\hat{\Gamma}$. <i>New Journal of Physics</i> , 2004, 6, 153-153.	1.2	37
116	Ferroelectric displacements in multiferroic Y(Mn,Ga)O ₃ . <i>Physical Review B</i> , 2007, 75, .	1.1	37
117	Ultrafast optical spectroscopy of the lowest energy excitations in the Mott insulator compound YVO ₄ . Evidence for Hubbard-type excitons. <i>Physical Review B</i> , 2012, 86, .	1.1	37
118	Charge-Transfer Complexes of 4-phenyl-1,2,3,5-dithiadiazolyl and 4-Phenyl-1,2,3,5-diselenadiazolyl with Iodine. Preparation and Solid-State Characterization of [PhCN ₂ E ₂] ₃ [I ₃] (E = S, Se) and [PhCN ₂ S ₂] ₃ [I ₃]. <i>Chemistry of Materials</i> , 1994, 6, 508-515.	3.2	33
119	Charge Transport in a Single Superconducting Tin Nanowire Encapsulated in a Multiwalled Carbon Nanotube. <i>Nano Letters</i> , 2008, 8, 3060-3064.	4.5	33
120	Magnetodielectric coupling in MnCr ₂ O ₄ spinel. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1767-1769.	1.0	33
121	Aurivillius phases of PbBi ₄ Ti ₄ O ₁₅ doped with Mn ³⁺ synthesized by molten salt technique: Structure, dielectric, and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2011, 184, 1318-1323.	1.4	33
122	Systematics of c-axis phonons in the thallium- and bismuth-based cuprate superconductors. <i>Physical Review B</i> , 1999, 60, 13196-13205.	1.1	32
123	Hexagonal LuMnO ₃ revisited. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2001, 57, i101-i103.	0.2	31
124	The origin of thermally stimulated depolarization currents in multiferroic CuCrO ₂ . <i>Applied Physics Letters</i> , 2015, 106, .	1.5	31
125	A facile approach to hydrophilic oxidized fullerenes and their derivatives as cytotoxic agents and supports for nanobiocatalytic systems. <i>Scientific Reports</i> , 2020, 10, 8244.	1.6	31
126	Preparation and solid-state structural, electronic, and magnetic properties of the 5-cyano-1,3-benzene-bridged bis(1,2,3,5-dithiadiazolyl) and bis(1,2,3,5-diselenadiazolyl) [5-CN-1,3-C ₆ H ₃ (CN ₂ E ₂) ₂] (E = S, Se). <i>Chemistry of Materials</i> , 1993, 5, 820-825.	3.2	30

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127	Photoemission and electron-energy-loss-spectroscopy study of C ₆₀ monolayers adsorbed on Cs-precovered Au(110) and of bulk distilled C ₆₀ . Physical Review B, 1997, 55, 7889-7903.	1.1	30
128	Inducing ferromagnetism and Kondo effect in platinum by paramagnetic ionic gating. Science Advances, 2018, 4, eaar2030.	4.7	30
129	Electrical resistivity and stoichiometry of KxC ₆₀ , RbxC ₆₀ , and CsxC ₆₀ films. Chemical Physics Letters, 1994, 218, 100-106.	1.2	29
130	Relaxor ferroelectric behavior in Ca-doped $TbMnO_3$. Physical Review B, 2008, 78, .	1.1	29
131	Self-assembled monolayers of terminal acetylenes as replacements for thiols in bottom-up tunneling junctions. RSC Advances, 2014, 4, 56026-56030.	1.7	29
132	Electrical and magnetic properties of semiconducting ternary U compounds: UTSn and UTSb. Journal of Applied Physics, 1988, 63, 4279-4281.	1.1	28
133	Charge-transfer induced surface conductivity for a copper based inorganic-organic hybrid. Applied Physics Letters, 2009, 95.	1.5	28
134	Probing orbital fluctuations in VO_R .		

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145	Chain Driven by $S=1$ Orbital Ordering in CuCl_2 . Physical Review B, 2014, 89, .	2.9	25
146	Low-frequency Raman study of the ferroelectric phase transition in a layered CuCl_2 . Physical Review B, 2014, 89, .	1.1	25
147	Preparation and solid state characterization of 1,2,3,5-diselenadiazolyl $[\text{HCN}_2\text{Se}_2]^-$. Journal of the Chemical Society Chemical Communications, 1992, , 1265.	2.0	24
148	Electronic properties of metal doped fullerides. Solid State Communications, 1994, 92, 71-81.	0.9	24
149	Site Disorder Induced Hexagonal \rightarrow Orthorhombic Transition in $\text{Y}_{3+1-x}\text{Gd}_x\text{MnO}_3$. Chemistry of Materials, 2001, 13, 4804-4807.	3.2	24
150	Hexagonal ErMnO_3 . Acta Crystallographica Section E: Structure Reports Online, 2001, 57, i38-i40.	0.2	24
151	Structural response to O^{2-} and magnetic transitions in orthorhombic perovskites. Physical Review B, 2002, 66, .	1.1	24
152	A 2:1 cocrystal of 6,13-dihydropentacene and pentacene. Acta Crystallographica Section E: Structure Reports Online, 2002, 58, o1229-o1231.	0.2	24
153	Selective Immobilization of Nanoparticles on Surfaces by Molecular Recognition using Simple Multiple H-bonding Functionalities. Advanced Functional Materials, 2007, 17, 2045-2052.	7.8	24
154	Key role of molecular kinetic energy in early stages of pentacene island growth. Applied Physics A: Materials Science and Processing, 2009, 95, 21-27.	1.1	24
155	Competition between Jahn-Teller coupling and orbital fluctuations in HoVO_3 . Physical Review B, 2009, 79, .	1.1	24
156	Orbital superexchange and crystal field simultaneously at play in YVO_4 : Resonant inelastic x-ray scattering at the V edge and the O $2p$ edge. Physical Review B, 2009, 79, .	1.1	24
157	Collective orbital excitations in orbitally ordered YVO_3 and HoVO_3 . New Journal of Physics, 2008, 10, 053027.	1.2	23
158	Magnetic and dielectric properties of YbMnO_3 thin films. Physical Review B, 2008, 78, .	1.2	23
159	Ferromagnetic Order from p-Electrons in Rubidium Oxide. Chemistry of Materials, 2011, 23, 1578-1586.	3.2	23
160	A Bottom-Up Approach for the Synthesis of Highly Ordered Fullerene-Intercalated Graphene Hybrids. Frontiers in Materials, 2015, 2, .	1.2	23
161	Hexagonal YbMnO_3 revisited. Acta Crystallographica Section E: Structure Reports Online, 2001, 57, i87-i89.	0.2	22
162	Magnetodielectric coupling of a polar organic-inorganic hybrid Cr(II) phosphonate. Physical Review B, 2008, 78, .	1.1	22

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163	Dielectric relaxation in YMnO ₃ single crystals. <i>Journal of Alloys and Compounds</i> , 2015, 638, 228-232.	2.8	22
164	Electron correlations on a mesoscopic scale: Magnetic properties of transition metal telluride cluster compounds. <i>Physical Review Letters</i> , 1993, 71, 1768-1771.	2.9	21
165	Dynamics of Spin and Orbital Phase Transitions in YVO ₃ . <i>Physical Review Letters</i> , 2008, 101, 245702.	2.9	21
166	Surface-enhanced charge-density-wave instability in underdoped Bi ₂ Sr _{2-x} La _x CuO _{6+δ} . <i>Nature Communications</i> , 2013, 4, 1977.	5.8	21
167	Crystallite size dependence of thermoelectric performance of CuCrO ₂ . <i>RSC Advances</i> , 2016, 6, 91171-91178.	1.7	21
168	Magnetic behaviour of the cubic La(Fe,Al) ₁₃ compounds. <i>Hyperfine Interactions</i> , 1983, 16, 717-720.	0.2	20
169	The crystal growth and characterization of CeT ₂ Si ₂ ternary intermetallics (T = Ni, Pd, Pt). <i>Journal of Crystal Growth</i> , 1986, 74, 231-235.	0.7	20
170	Transverse fluctuations in an Ising spin-glass: Fe _{0.4} Mg _{0.6} Cl ₂ . <i>Physical Review Letters</i> , 1987, 58, 1276-1279.	2.9	20
171	Synthesis and properties of mixed alkali-metal alkaline-earth fullerides. <i>Physical Review B</i> , 1996, 54, 11981-11984.	1.1	20
172	Spin-valve behaviour of anti-ferromagnetic boundaries in ultrathin magnetite films. <i>Thin Solid Films</i> , 2001, 400, 90-94.	0.8	20
173	Magnetodielectric coupling by exchange striction in Y ₂ Cu ₂ O ₅ . <i>European Physical Journal B</i> , 2009, 71, 393-399.	0.6	20
174	Magnetoelectric and multiferroic properties of ternary copper chalcogenides Cu ₂ M ^{II} M ^{IV} S ₄ . <i>Journal of Physics Condensed Matter</i> , 2009, 21, 176002.	0.7	20
175	Crystal growth and characterization of MT ₂ Si ₂ ternary intermetallics (M = U, RE and T = 3d, 4d, 5d) $T_j \text{ ETQq1 } 1 \text{ } 0.784314 \text{ rgBT}_j / \text{Overlo}$	0.7	19
176	Elastic anomalies associated with structural and magnetic phase transitions in single crystal hexagonal YMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2014, 26, 045901.	0.7	19
177	Metal-Insulator Transition Induced by Spin Reorientation in Fe ₇ Se ₈ Grain Boundaries. <i>Inorganic Chemistry</i> , 2016, 55, 12912-12922.	1.9	19
178	The stability of the ferromagnetic state in La(Fe _{0.86} Al _{0.14}) ₁₃ under high pressure. <i>Solid State Communications</i> , 1987, 63, 177-180.	0.9	18
179	Magnetic, structural, and dielectric properties of CuB ₂ O ₄ . <i>Physical Review B</i> , 2007, 76, .	1.1	18
180	Crossover from one- to two-dimensional space-charge-limited conduction in pentacene single crystals. <i>Applied Physics Letters</i> , 2006, 88, 122101.	1.5	17

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181	Critical phenomena and femtosecond ordering dynamics associated with electronic and spin-ordered phases in YVO ₃ and GdVO ₃ . <i>Physical Review B</i> , 2010, 81, .	1.1	17
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183	Dynamics of photo-excited electrons in magnetically ordered TbMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2013, 25, 116007.	0.7	16
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