

Thomas T M Palstra

List of Publications by Year in descending order

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252
papers

23,316
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10986

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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.	27.8	2,964
2	The origin of ferroelectricity in magnetoelectric YMnO ₃ . <i>Nature Materials</i> , 2004, 3, 164-170.	27.5	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.	7.8	909
4	Superconductivity at 28 K in RbxC ₆₀ . <i>Physical Review Letters</i> , 1991, 66, 2830-2832.	7.8	848
5	Effect of impurities on the mobility of single crystal pentacene. <i>Applied Physics Letters</i> , 2004, 84, 3061-3063.	3.3	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.	7.8	824
7	Dissipative flux motion in high-temperature superconductors. <i>Physical Review B</i> , 1990, 41, 6621-6632.	3.2	676
8	C60 thin film transistors. <i>Applied Physics Letters</i> , 1995, 67, 121-123.	3.3	546
9	Magnetic excitations and ordering in the heavy-electron superconductor URu ₂ Si ₂ . <i>Physical Review Letters</i> , 1987, 58, 1467-1470.	7.8	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.	7.8	434
11	Interface-Controlled, High-Mobility Organic Transistors. <i>Advanced Materials</i> , 2007, 19, 688-692.	21.0	367
12	Critical currents and thermally activated flux motion in high-temperature superconductors. <i>Applied Physics Letters</i> , 1989, 54, 763-765.	3.3	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.	3.2	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.	3.9	279
17	Temperature-induced magnetization reversal in a YVO ₃ single crystal. <i>Nature</i> , 1998, 396, 441-444.	27.8	276
18	Spin-Polarized Transport across Sharp Antiferromagnetic Boundaries. <i>Physical Review Letters</i> , 2002, 88, 247204.	7.8	269

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19	Confinement Effects in Low-Dimensional Lead Iodide Perovskite Hybrids. Chemistry of Materials, 2016, 28, 4554-4562.	6.7	263
20	Vacancies in functional materials for clean energy storage and harvesting: the perfect imperfection. Chemical Society Reviews, 2017, 46, 1693-1706.	38.1	234
21	Evidence for orbital ordering in LaCoO ₃ . Physical Review B, 2003, 67, .	3.2	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.	2.3	217
23	Modeling the Polymorphism of Pentacene. Journal of the American Chemical Society, 2003, 125, 6323-6330.	13.7	214
24	Superparamagnetic behavior of structural domains in epitaxial ultrathin magnetite films. Physical Review B, 1998, 57, R8107-R8110.	3.2	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.	3.2	210
26	Ferroelectricity in the cycloidal spiral magnetic phase of MnWO ₄ . Physical Review B, 2006, 74, .	3.2	201
27	Coexisting Ferromagnetic and Ferroelectric Order in a CuCl ₄ -based Organic-Inorganic Hybrid. Chemistry of Materials, 2012, 24, 133-139.	6.7	200
28	Origin of the increased resistivity in epitaxial Fe ₃ O ₄ films. Physical Review B, 2002, 66, .	3.2	199
29	Anisotropic electrical resistivity of the magnetic heavy-fermion superconductor URu ₂ Si ₂ . Physical Review B, 1986, 33, 6527-6530.	3.2	181
30	Spin gap and antiferromagnetic correlations in the Kondo insulator CeNiSn. Physical Review Letters, 1992, 69, 490-493.	7.8	178
31	Mictomagnetic, ferromagnetic, and antiferromagnetic transitions in La(Fe _x Al _{1-x}) ₁₃ intermetallic compounds. Physical Review B, 1985, 31, 4622-4632.	3.2	170
32	Transport entropy of vortex motion in YBa ₂ Cu ₃ O ₇ . Physical Review Letters, 1990, 64, 3090-3093.	7.8	165
33	Transport mechanisms in doped LaMnO ₃ : Evidence for polaron formation. Physical Review B, 1997, 56, 5104-5107.	3.2	157
34	Magnetic properties of YVO ₃ single crystals. Physical Review B, 2000, 62, 6577-6586.	3.2	148
35	Electronic transport properties of K ₃ C ₆₀ films. Physical Review Letters, 1992, 68, 1054-1057.	7.8	140
36	Magnetic and electrical properties of La _{2-x} Sr _x NiO ₄ + δ . Physical Review B, 1991, 43, 1229-1232.	3.2	137

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55	Magnetoelectric coupling in MnTiO_3 . Physical Review B, 2011, 83, .	3.2	96
56	Large Coupled Magnetoresponses in EuNbO_2N . Journal of the American Chemical Society, 2008, 130, 12572-12573.	13.7	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.	7.8	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.	13.7	90
60	Preparation and solid-state structures of (cyanophenyl)dithia- and (cyanophenyl)diselenadiazolyl radicals. Inorganic Chemistry, 1992, 31, 1802-1808.	4.0	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.	3.2	86
62	Direct Two-Magnon Optical Absorption in NaV_2O_5 : Charged Magnons. Physical Review Letters, 1998, 81, 918-921.	7.8	86
63	Carbon Nanotubes Encapsulating Superconducting Single-Crystalline Tin Nanowires. Nano Letters, 2006, 6, 1131-1135.	9.1	86
64	The Role of Connectivity on Electronic Properties of Lead Iodide Perovskite-Derived Compounds. Inorganic Chemistry, 2017, 56, 8408-8414.	4.0	83
65	Conducting charge-transfer salts based on neutral $\dot{\text{I}}^-$ -radicals. Nature, 1993, 365, 821-823.	27.8	79
66	Quenched-disorder-induced magnetization jumps in $(\text{Sm},\text{Sr})\text{MnO}_3$. Physical Review B, 2004, 70, .	3.2	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.	3.2	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.	7.8	75
70	Enhancing the magnetoelectric coupling in YMnO_3 by Ga doping. Physical Review B, 2007, 75, .	3.2	74
71	Metal-insulator transition in ammoniated $\text{K}_3\text{C}_6\text{O}$. Physical Review B, 1996, 53, R8836-R8839.	3.2	72
72	Antiferromagnetism and Its Relation to the Superconducting Phases of UPt_3 . Physical Review Letters, 1995, 75, 1178-1181.	7.8	69

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73	Preparation and Characterization of the Disjoint Diradical 4,4- ϵ -Bis(1,2,3,5-dithiadiazolyl) [S ₂ N ₂ C $\hat{\nu}$ CN ₂ S ₂] and Its Iodine Charge Transfer Salt [S ₂ N ₂ C $\hat{\nu}$ CN ₂ S ₂][I]. Journal of the American Chemical Society, 1996, 118, 330-338.	13.7	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, .	3.2	67
75	Hexakis(triethylphosphine)octatelluridohexachromium and a molecule-based synthesis of chromium telluride, Cr ₃ Te ₄ . Inorganic Chemistry, 1993, 32, 5165-5169.	4.0	66
76	New magnetic phase of the chiral skyrmion material Cu ₂ OSeO ₃ . Science Advances, 2018, 4, eaat7323.	10.3	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.	2.1	64
78	Role of anisotropy in the dissipative behavior of high-temperature superconductors. Physical Review B, 1991, 43, 3756-3759.	3.2	64
79	Competing orbital ordering in RVO_3 compounds: Neutron x-ray diffraction and thermal expansion. Physical Review B, 2007, 76, .	3.2	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.	13.7	63
81	Asymmetry of electron and hole doping in YMnO ₃ . Physical Review B, 2001, 63, .	3.2	63
82	Structural and electronic properties of (NH ₃) ₃ K ₃ Bi ₂ Cl ₉ . Physical Review B, 1995, 52, 483-489.	3.2	62
83	Cross-Linking of Multiwalled Carbon Nanotubes with Polymeric Amines. Macromolecules, 2008, 41, 6141-6146.	4.8	58
84	Polar Nature of (CH ₃) ₃ NH ₃ Bi ₂ Cl ₉ Perovskite-Like Hybrids. Inorganic Chemistry, 2017, 56, 33-41.	4.0	58
85	Surface sensitivity of the spin Seebeck effect. Journal of Applied Physics, 2014, 116, .	2.5	56
86	Band gap narrowing of SnS ₂ superstructures with improved hydrogen production. Journal of Materials Chemistry A, 2016, 4, 209-216.	10.3	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.	13.7	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)] ₂ [X] (X = I, Br). Journal of the American Chemical Society, 1995, 117, 6880-6888.	13.7	52
90	Influence of magnetic on ferroelectric ordering in LuMnO ₃ . Physical Review B, 2004, 69, .	3.2	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.	3.2	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.	13.7	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.	3.2	50
94	Superconducting phases of URu ₂ Si ₂ . <i>Physical Review B</i> , 1991, 44, 5392-5395.	3.2	50
95	Magnetic properties of cubic La(FexAl _{1-x}) ₁₃ intermetallic compounds. <i>Journal of Applied Physics</i> , 1984, 55, 2367-2369.	2.5	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.	6.7	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.	3.0	46
99	Electronic Band Structure of Tetracene-TCNQ and Perylene-TCNQ Compounds. <i>Journal of Physical Chemistry A</i> , 2008, 112, 2497-2502.	2.5	46
100	Spin-Singlet Clusters in the Ladder Compound NaV ₂ O ₅ . <i>Physical Review Letters</i> , 2000, 84, 3962-3965.	7.8	45
101	Crystal-structure transformations and magnetic-ordering phenomena in GdCu _{1-x} Gax. <i>Physical Review B</i> , 1983, 27, 1887-1902.	3.2	44
102	Evidence for Electronic Phase Separation between Orbital Orderings in SmVO ₃ . <i>Physical Review Letters</i> , 2006, 96, 036401.	7.8	43
103	Phase diagram and magnetic relaxation phenomena in Cu ₂ OSeO ₃ . <i>Physical Review B</i> , 2016, 94, .	3.2	43
104	Experimental evidence for an intermediate phase in the multiferroic YMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2007, 19, 466212.	1.8	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.	5.6	41
106	Self-Assembly of Low-Dimensional Arrays of Thiophene Oligomers from Solution on Solid Substrates. <i>Advanced Materials</i> , 2000, 12, 563-566.	21.0	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.	3.1	40
108	Electrical detection of spiral spin structures in Pt ₂ Ir ₂ . <i>Physical Review B</i> , 2016, 94, .		

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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.	12.8	39
110	Bulk superconductivity in the heavy-fermion superconductor UPt ₃ . <i>Physical Review B</i> , 1984, 30, 2986-2988.	3.2	38
111	Crystal Growth, Structure, and Electronic Band Structure of Tetracene-TCNQ. <i>Journal of Physical Chemistry C</i> , 2007, 111, 3486-3489.	3.1	38
112	Micropatterned 2D Hybrid Perovskite Thin Films with Enhanced Photoluminescence Lifetimes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12878-12885.	8.0	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.	3.2	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.	4.1	37
115	Effect of ionic size on the orbital ordering transition in RMnO ₃ + \hat{I} . <i>New Journal of Physics</i> , 2004, 6, 153-153.	2.9	37
116	Ferroelectric displacements in multiferroic Y(Mn,Ga)O ₃ . <i>Physical Review B</i> , 2007, 75, .	3.2	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, .	3.2	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.	6.7	33
119	Charge Transport in a Single Superconducting Tin Nanowire Encapsulated in a Multiwalled Carbon Nanotube. <i>Nano Letters</i> , 2008, 8, 3060-3064.	9.1	33
120	Magnetodielectric coupling in MnCr ₂ O ₄ spinel. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1767-1769.	2.3	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.	2.9	33
122	Systematics of c-axis phonons in the thallium- and bismuth-based cuprate superconductors. <i>Physical Review B</i> , 1999, 60, 13196-13205.	3.2	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, .	3.3	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.	3.3	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.	6.7	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.	3.2	30
128	Inducing ferromagnetism and Kondo effect in platinum by paramagnetic ionic gating. Science Advances, 2018, 4, eaar2030.	10.3	30
129	Electrical resistivity and stoichiometry of KxC ₆₀ , RbxC ₆₀ , and CsxC ₆₀ films. Chemical Physics Letters, 1994, 218, 100-106.	2.6	29
130	Relaxor ferroelectric behavior in Ca-doped TbMnO_3 . Physical Review B, 2008, 78, .	3.2	29
131	Self-assembled monolayers of terminal acetylenes as replacements for thiols in bottom-up tunneling junctions. RSC Advances, 2014, 4, 56026-56030.	3.6	29
132	Electrical and magnetic properties of semiconducting ternary U compounds: UTSn and UTSb. Journal of Applied Physics, 1988, 63, 4279-4281.	2.5	28
133	Charge-transfer induced surface conductivity for a copper based inorganic-organic hybrid. Applied Physics Letters, 2009, 95.	3.3	28
134	Probing orbital fluctuations in VO_R .		

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163	Dielectric relaxation in YMnO ₃ single crystals. <i>Journal of Alloys and Compounds</i> , 2015, 638, 228-232.	5.5	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.	7.8	21
165	Dynamics of Spin and Orbital Phase Transitions in YVO ₃ . <i>Physical Review Letters</i> , 2008, 101, 245702.	7.8	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.	12.8	21
167	Crystallite size dependence of thermoelectric performance of CuCrO ₂ . <i>RSC Advances</i> , 2016, 6, 91171-91178.	3.6	21
168	Magnetic behaviour of the cubic La(Fe,Al) ₁₃ compounds. <i>Hyperfine Interactions</i> , 1983, 16, 717-720.	0.5	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.	1.5	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.	7.8	20
171	Synthesis and properties of mixed alkali-metal alkaline-earth fullerides. <i>Physical Review B</i> , 1996, 54, 11981-11984.	3.2	20
172	Spin-valve behaviour of anti-ferromagnetic boundaries in ultrathin magnetite films. <i>Thin Solid Films</i> , 2001, 400, 90-94.	1.8	20
173	Magnetodielectric coupling by exchange striction in Y ₂ Cu ₂ O ₅ . <i>European Physical Journal B</i> , 2009, 71, 393-399.	1.5	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.	1.8	20
175	Crystal growth and characterization of MT ₂ Si ₂ ternary intermetallics (M = U, RE and T = 3d, 4d, 5d) $T_j \text{ ETQq1 } 1 \text{ } 0.784314 \text{ rgBT}_j / \text{Overlo}$	1.5	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.	1.8	19
177	Metal-Insulator Transition Induced by Spin Reorientation in Fe ₇ Se ₈ Grain Boundaries. <i>Inorganic Chemistry</i> , 2016, 55, 12912-12922.	4.0	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.	1.9	18
179	Magnetic, structural, and dielectric properties of CuB ₂ O ₄ . <i>Physical Review B</i> , 2007, 76, .	3.2	18
180	Crossover from one- to two-dimensional space-charge-limited conduction in pentacene single crystals. <i>Applied Physics Letters</i> , 2006, 88, 122101.	3.3	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, .	3.2	17
182	Thermoelectric and magnetic properties of Cr _{1-x} V _x Si ₂ solid solutions. <i>Journal of Alloys and Compounds</i> , 1997, 248, 70-76.	5.5	16
183	Dynamics of photo-excited electrons in magnetically ordered TbMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2013, 25, 116007.	1.8	16
184	Generating new magnetic properties in organic-inorganic hybrids. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1782-1788.	5.5	15
185	Layer-by-Layer Assembly of Clay-Carbon Nanotube Hybrid Superstructures. <i>ACS Omega</i> , 2019, 4, 18100-18107.	3.5	15
186	Spin-Peierls transition in NaV ₂ O ₅ in high magnetic fields. <i>Physical Review B</i> , 2000, 61, R13321-R13324.	3.2	14
187	Characterization by X-ray Photoemission Spectroscopy of the Open and Closed Forms of a Dithienylethene Switch in Thin Films. <i>Journal of Physical Chemistry C</i> , 2007, 111, 16533-16537.	3.1	14
188	Self-Assembly of Ferromagnetic Organic-Inorganic Perovskite-Like Films. <i>Small</i> , 2014, 10, 4912-4919.	10.0	13
189	Out-of-plane polarization in a layered manganese chloride hybrid. <i>APL Materials</i> , 2018, 6, .	5.1	13
190	Conductivity and Superconductivity in Alkali Metal Doped C ₆₀ . <i>ACS Symposium Series</i> , 1992, , 71-89.	0.5	12
191	Iodine Charge-Transfer Salts of Benzene-Bridged Bis(1,2,3,5-diselenadiazolyl) Diradicals. Electrocrystallization and Solid-State Characterization of 1,3- and 1,4-[(Se ₂ N ₂ C) ₆ H ₄ (CN ₂ Se ₂)] ⁺ [I ⁻]. <i>Chemistry of Materials</i> , 1996, 8, 762-768.	6.7	12
192	Controlled tunnel-coupled ferromagnetic electrodes for spin injection in organic single-crystal transistors. <i>Organic Electronics</i> , 2010, 11, 743-747.	2.6	12
193	Possible spin-glass state in SmSr-manganites as the origin of the magnetization jumps. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 300, e399-e402.	2.3	11
194	A two-dimensional magnetic hybrid material based on intercalation of a cationic Prussian blue analog in montmorillonite nanoclay. <i>Journal of Colloid and Interface Science</i> , 2010, 348, 393-401.	9.4	11
195	Structure and superconductivity in alkali-ammonia complex fullerides. <i>Journal of Physics and Chemistry of Solids</i> , 1997, 58, 1697-1705.	4.0	10
196	Selective co-aggregation of gold nanoparticles functionalised with complementary hydrogen-bonding groups. <i>Chemical Communications</i> , 2007, , 4922.	4.1	10
197	Scaling behavior of the magnetocapacitance of YbMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2009, 21, 496002.	1.8	10
198	Surface Hubbard U of alkali fullerides. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2011, 183, 94-100.	1.7	10

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199	Controlled Synthesis of Carbon-Encapsulated Copper Nanostructures by Using Smectite Clays as Nanotemplates. <i>Chemistry - A European Journal</i> , 2012, 18, 9305-9311.	3.3	10
200	Search for potential minimum positions in metal-organic hybrids, $(C_2H_5NH_3)_2CuCl_4$ and $(C_6H_5CH_2CH_2NH_3)_2CuCl_4$, by using density functional theory. <i>Journal of Physics: Conference Series</i> , 2014, 551, 012054.	0.4	10
201	Study of phase coexistence in YVO_3 and $LaVO_3$. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 1157-1160.	2.5	10
202	Magnetic functionality of thin film perovskite hybrids. <i>APL Materials</i> , 2018, 6, 114206.	5.1	10
203	Gate-controlled magnetoresistance of a paramagnetic-insulator platinum interface. <i>Physical Review B</i> , 2018, 98, .	3.2	10
204	Anisotropy of the upper critical field in the magnetic heavy-fermion superconductor URu ₂ Si ₂ . <i>Journal of Applied Physics</i> , 1988, 63, 3414-3416.	2.5	9
205	Mixed Radical/Iodine Charge-Transfer Salts of Dithiadiazolyl Diradicals. Structural Characterization of the Pyridine-Bridged 2:1 Salt 2,6-[(S ₂ N ₂ C)C ₅ H ₃ N(CN ₂ S ₂)] ₂ [I]. <i>Chemistry of Materials</i> , 1996, 8, 2774-2778.	6.7	9
206	The Molecularly Controlled Synthesis of Ordered Bi-dimensional C ₆₀ Arrays. <i>Chemistry - A European Journal</i> , 2012, 18, 7594-7600.	3.3	9
207	Excess manganese as the origin of the low-temperature anomaly in NiMnSb. <i>Physical Review B</i> , 2013, 88, .	3.2	9
208	Photoinduced magnetization enhancement in two-dimensional weakly anisotropic Heisenberg magnets. <i>Physical Review B</i> , 2015, 91, .	3.2	9
209	Spin-Hall magnetoresistance in multidomain helical spiral systems. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 174006.	2.8	9
210	Electronic mobility and crystal structures of 2,5-dimethylanilinium triiodide and tin-based organic-inorganic hybrid compounds. <i>Journal of Solid State Chemistry</i> , 2019, 270, 593-600.	2.9	9
211	Colossal magnetoresistance in La-Y-Ca-Mn-O films. <i>IEEE Transactions on Magnetics</i> , 1996, 32, 4692-4694.	2.1	8
212	Electric current induced light emission from C ₆₀ . <i>Carbon</i> , 1997, 35, 1825-1831.	10.3	8
213	Superconductivity at the limit. <i>Nature Materials</i> , 2008, 7, 350-351.	27.5	8
214	The formation of the complex manganites LnSr ₂ Mn ₂ O ₇ (Ln=La, Nd, Gd). <i>Materials Research Bulletin</i> , 2012, 47, 4156-4160.	5.2	8
215	Design of molecule-based magnetic conductors. <i>Nano Research</i> , 2014, 7, 1832-1842.	10.4	8
216	Charge and Sodium Ordering in \hat{I}^2 -Na _{0.33} V ₂ O ₃ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2002, 15, 587-590.	0.5	7

#	ARTICLE	IF	CITATIONS
217	Effect of $[\text{Fe}(\text{CN})_6]^{4-}$ Substitutions on the Spin-Flop Transition of a Layered Nickel Phyllosilicate. <i>Langmuir</i> , 2012, 28, 10289-10295.	3.5	7
218	Correlation between lattice vibrations with charge, orbital, and spin ordering in the layered manganite $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_2$. <i>Physical Review B</i> , 2015, 92, .	3.2	7
219	Measurement of the acoustic-to-optical phonon coupling in multicomponent systems. <i>Physical Review B</i> , 2015, 91, .	3.2	7
220	All-electrical detection of skyrmion lattice state and chiral surface twists. <i>Physical Review B</i> , 2021, 103, .	3.2	7
221	Raman Studies of Vanadates at Low Temperatures and High Pressures. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009, 22, 185-188.	1.8	6
222	A comparative Raman study between YbVO_3 and YVO_3 . <i>Journal of Physics: Conference Series</i> , 2010, 200, 032025.	0.4	6
223	Structure and Electrical Conductivity of Hybrid Langmuir-Blodgett Films from BEDO-TTF and Fatty Acid. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24130-24135.	3.1	6
224	Lattice effects in HoVO_3 single crystal. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e692-e694.	2.3	5
225	Micro-Raman study of orbital phonon coupling in YbVO_3 . <i>Journal of Raman Spectroscopy</i> , 2012, 43, 127-130.	2.5	5
226	Strain relaxation dynamics of multiferroic orthorhombic manganites. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 125402.	1.8	5
227	Anionogenic Mixed Valency in KxBa_2O_2 . <i>Inorganic Chemistry</i> , 2014, 53, 496-502.	4.0	4
228	(p-Phenylenedimethylene)diammonium dichloride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o869-o870.	0.2	3
229	Changes of spin dynamics in multiferroic. <i>Physica B: Condensed Matter</i> , 2009, 404, 785-788.	2.7	3
230	Raman and infrared study of 4f electron phonon coupling in HoVO_3 . <i>Journal of Physics Condensed Matter</i> , 2016, 28, 435401.	1.8	3
231	Flux Dynamics and Electronic Anisotropy in High-Tc Superconductors. <i>Springer Series in Solid-state Sciences</i> , 1989, , 368-374.	0.3	3
232	Relation between magnetic and structural anisotropy in the $\text{Ni}_2\text{3Se}_{12}(\text{PEt}_3)_{13}$ cluster compound. <i>Physical Review B</i> , 1995, 51, 9337-9340.	3.2	2
233	Cation distribution and interatomic interactions in oxides with heterovalent isomorphism: X. Structure of the $\text{Ho}_2\text{SrAl}_2\text{O}_7$ oxide at 100, 298, and 673 K. <i>Russian Journal of General Chemistry</i> , 2006, 76, 335-339.	0.8	2
234	Spin lattice coupling in iron jarosite. <i>Journal of Solid State Chemistry</i> , 2012, 195, 50-54.	2.9	2

#	ARTICLE	IF	CITATIONS
235	Fabrication of highly ordered Cu ²⁺ /Fe ³⁺ decorated polyhedral oligomeric silsesquioxane hybrids: How metal coordination influences structure. <i>Journal of Colloid and Interface Science</i> , 2020, 572, 207-215.	9.4	2
236	Growth and Helicity of Noncentrosymmetric Cu ₂ OSeO ₃ Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 0, , 2100152.	1.5	2
237	Insertion of Iron Decorated Organic-Inorganic Cage-Like Polyhedral Oligomeric Silsesquioxanes between Clay Platelets by Langmuir Schaefer Deposition. <i>Materials</i> , 2020, 13, 216.	2.9	2
238	The Magneto-Electric Properties of RMnO ₃ Compounds. , 0, , 391-399.		1
239	(2-Phenylethyl)ammonium chloride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o2987-o2987.	0.2	1
240	Continuous first-order orbital order-disorder transition in Nd _{1-x} CaxMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2008, 20, 434223.	1.8	1
241	Optically induced spin disorder in YVO ₃ . <i>Journal of Physics: Conference Series</i> , 2009, 148, 012045.	0.4	1
242	Magnetic field induced ferroelectric to relaxor crossover in Tb _{1-x} CaxMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2009, 21, 452203.	1.8	1
243	Probing current-induced magnetic fields in Au YIG heterostructures with low-energy muon spin spectroscopy. <i>Applied Physics Letters</i> , 2017, 110, 062409.	3.3	1
244	Thermally induced chemical evolution in polyimide films investigated by X-ray photoelectron spectroscopy. <i>Polymer Engineering and Science</i> , 2018, 58, 943-951.	3.1	1
245	Ultrathin molecule-based magnetic conductors: A step towards flexible electronics. <i>MRS Advances</i> , 2019, 4, 3353-3364.	0.9	1
246	Self-Assembly of Low-Dimensional Arrays of Thiophene Oligomers from Solution on Solid Substrates. , 2000, 12, 563.		1
247	The Effect of Oxygen Exposure on Pentacene Thin Film Electronic Structure. <i>Materials Research Society Symposia Proceedings</i> , 2005, 871, 1.	0.1	0
248	Rotaxane Functionalized Acid-Terminated Self-Assembled Siloxane Monolayers on Non-Conducting Surfaces - XPS, AFM and TRF. , 2006, , .		0
249	Ultrafast Photoconductivity in Organic Semiconductors. <i>Materials Research Society Symposia Proceedings</i> , 2006, 935, 1.	0.1	0
250	Bis(2-phenylethylammonium) tetraaquadichloridonickel(II) dichloride dihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m2421-m2421.	0.2	0
251	Thermally Activated Dissipation in Bi ₂ Sr ₂ Ca _{0.8} Cu ₂ O _a + δ . <i>Perspectives in Condensed Matter Physics</i> , 1993, , 288-291.	0.1	0
252	Spin-singlet formation in the spin-tetramer layered organic-inorganic hybrid CH ₃ NH ₃ Cu ₂ Cl ₅ . <i>Physical Review Materials</i> , 2018, 2, .	2.4	0