

Theo Siegrist

List of Publications by Year in descending order

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7096

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Bulk superconductivity at 91 K in single-phase oxygen-deficient perovskite $\text{Ba}_2\text{YCu}_3\text{O}_{9-x}$. <i>Physical Review Letters</i> , 1987, 58, 1676-1679.	7.8	1,588
2	A soluble and air-stable organic semiconductor with high electron mobility. <i>Nature</i> , 2000, 404, 478-481.	27.8	1,002
3	Superconductivity in the quaternary intermetallic compounds $\text{LnNi}_2\text{B}_2\text{C}$. <i>Nature</i> , 1994, 367, 252-253.	27.8	867
4	New Phases of C_{60} Synthesized at High Pressure. <i>Science</i> , 1994, 264, 1570-1572.	12.6	657
5	Structure and physical properties of single crystals of the 84-K superconductor $\text{Bi}_2.2\text{Sr}_2\text{Ca}_{0.8}\text{Cu}_2\text{O}_{8+x}$. <i>Physical Review B</i> , 1988, 38, 893-896.	3.2	646
6	The parent structure of the layered high-temperature superconductors. <i>Nature</i> , 1988, 334, 231-232.	27.8	626
7	One-dimensional organic lead halide perovskites with efficient bluish white-light emission. <i>Nature Communications</i> , 2017, 8, 14051.	12.8	623
8	Physical vapor growth of organic semiconductors. <i>Journal of Crystal Growth</i> , 1998, 187, 449-454.	1.5	608
9	Superconductivity at 23 K in yttrium palladium boride carbide. <i>Nature</i> , 1994, 367, 146-148.	27.8	572
10	The crystal structure of superconducting $\text{LuNi}_2\text{B}_2\text{C}$ and the related phase LuNiBC . <i>Nature</i> , 1994, 367, 254-256.	27.8	555
11	Low-Dimensional Organometal Halide Perovskites. <i>ACS Energy Letters</i> , 2018, 3, 54-62.	17.4	528
12	Disorder-induced localization in crystalline phase-change materials. <i>Nature Materials</i> , 2011, 10, 202-208.	27.5	515
13	Crystal Structure and the Paraelectric-to-Ferroelectric Phase Transition of Nanoscale BaTiO_3 . <i>Journal of the American Chemical Society</i> , 2008, 130, 6955-6963.	13.7	509
14	Superconductivity near 70 K in a new family of layered copper oxides. <i>Nature</i> , 1988, 336, 211-214.	27.8	506
15	Luminescent zero-dimensional organic metal halide hybrids with near-unity quantum efficiency. <i>Chemical Science</i> , 2018, 9, 586-593.	7.4	467
16	Cupric oxide as an induced-multiferroic with high-TC. <i>Nature Materials</i> , 2008, 7, 291-294.	27.5	453
17	Crystal structure of the high-TC superconductor $\text{Ba}_2\text{YCu}_3\text{O}_{9-x}$. <i>Physical Review B</i> , 1987, 35, 7137-7139.	3.2	423
18	Photochemical Stability of Pentacene and a Substituted Pentacene in Solution and in Thin Films. <i>Chemistry of Materials</i> , 2004, 16, 4980-4986.	6.7	389

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19	Synthesis, Crystal Structure, and Transistor Performance of Tetracene Derivatives. <i>Journal of the American Chemical Society</i> , 2004, 126, 15322-15323.	13.7	353
20	Superconductivity in YBa ₂ Cu ₃ O ₇ single crystals. <i>Nature</i> , 1987, 328, 601-603.	27.8	338
21	Physical vapor growth of centimeter-sized crystals of 1,4-hexathiophene. <i>Journal of Crystal Growth</i> , 1997, 182, 416-427.	1.5	328
22	Preparation and structure of the alkali-metal fulleride A ₄ C ₆₀ . <i>Nature</i> , 1991, 352, 701-703.	27.8	312
23	Synthesis and characterization of alkali metal fullerenes: A _x C ₆₀ . <i>Journal of Physics and Chemistry of Solids</i> , 1992, 53, 1321-1332.	4.0	271
24	Fully Printed Halide Perovskite Light-Emitting Diodes with Silver Nanowire Electrodes. <i>ACS Nano</i> , 2016, 10, 1795-1801.	14.6	261
25	A new layered cuprate structure-type, (A _{1-x} A _{2x}) ₁₄ Cu ₂₄ O ₄₁ . <i>Materials Research Bulletin</i> , 1988, 23, 1429-1438.	5.2	257
26	Crystal Growth, Structure, and Electronic Band Structure of 1,4-T Polymorphs. <i>Advanced Materials</i> , 1998, 10, 379-382.	21.0	257
27	Studies of oxygen-deficient Ba ₂ YCu ₃ O _{7-δ} and superconductivity Bi(Pb)SrCaCuO. <i>Physica C: Superconductivity and Its Applications</i> , 1988, 153-155, 560-565.	1.2	251
28	Low-Dimensional Organic Tin Bromide Perovskites and Their Photoinduced Structural Transformation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9018-9022.	13.8	242
29	Aluminum substitution in Ba ₂ YCu ₃ O ₇ . <i>Physical Review B</i> , 1987, 36, 8365-8368.	3.2	224
30	Organization of Acenes with a Cruciform Assembly Motif. <i>Journal of the American Chemical Society</i> , 2006, 128, 1340-1345.	13.7	214
31	Transferring Self-Assembled, Nanoscale Cables into Electrical Devices. <i>Journal of the American Chemical Society</i> , 2006, 128, 10700-10701.	13.7	213
32	Single-crystal field-effect transistors based on copper phthalocyanine. <i>Applied Physics Letters</i> , 2005, 86, 022103.	3.3	212
33	Tetramethylpentacene: Remarkable Absence of Steric Effect on Field Effect Mobility. <i>Advanced Materials</i> , 2003, 15, 1090-1093.	21.0	206
34	Zinc-Indium Oxide: A high conductivity transparent conducting oxide. <i>Applied Physics Letters</i> , 1995, 67, 2246-2248.	3.3	202
35	Ferroelectricity in the cycloidal spiral magnetic phase of MnWO ₄ . <i>Physical Review B</i> , 2006, 74, .	3.2	201
36	Nanoscale Atoms in Solid-State Chemistry. <i>Science</i> , 2013, 341, 157-160.	12.6	199

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37	Amorphouslike Density of Gap States in Single-Crystal Pentacene. <i>Physical Review Letters</i> , 2004, 93, 086802.	7.8	196
38	Facile Preparation of Light Emitting Organic Metal Halide Crystals with Near-Unity Quantum Efficiency. <i>Chemistry of Materials</i> , 2018, 30, 2374-2378.	6.7	193
39	The preparation of large semiconductor clusters via the pyrolysis of a molecular precursor. <i>Journal of the American Chemical Society</i> , 1989, 111, 4141-4143.	13.7	189
40	Enhanced Physical Properties in a Pentacene Polymorph. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1732-1736.	13.8	184
41	Blue Emitting Single Crystalline Assembly of Metal Halide Clusters. <i>Journal of the American Chemical Society</i> , 2018, 140, 13181-13184.	13.7	183
42	Bulk and nanostructure Group II-VI compounds from molecular organometallic precursors. <i>Chemistry of Materials</i> , 1990, 2, 403-409.	6.7	179
43	The crystal structure of the high-temperature polymorph of 1,6-hexathienyl (1,6-HT). <i>Journal of Materials Research</i> , 1995, 10, 2170-2173.	2.6	177
44	Highly Efficient Broadband Yellow Phosphor Based on Zero-Dimensional Tin Mixed-Halide Perovskite. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44579-44583.	8.0	174
45	Field Effect Studies on Rubrene and Impurities of Rubrene. <i>Chemistry of Materials</i> , 2006, 18, 244-248.	6.7	173
46	Electronic, transport, and optical properties of bulk and mono-layer PdSe ₂ . <i>Applied Physics Letters</i> , 2015, 107, .	3.3	170
47	Crystallization of charge holes in the spin ladder of Sr ₁₄ Cu ₂₄ O ₄₁ . <i>Nature</i> , 2004, 431, 1078-1081.	27.8	168
48	Superconductivity in the LnNi ₂ B ₂ C intermetallics via boron A _{1g} phonons. <i>Solid State Communications</i> , 1994, 91, 587-590.	1.9	147
49	Growth of superconducting single crystals in the Bi-Sr-Ca-Cu-O system from alkali chloride fluxes. <i>Nature</i> , 1988, 332, 422-424.	27.8	141
50	Supersized contorted aromatics. <i>Chemical Science</i> , 2013, 4, 2018.	7.4	141
51	An Organometallic Synthesis of TiO ₂ Nanoparticles. <i>Nano Letters</i> , 2005, 5, 543-548.	9.1	140
52	Pseudofold symmetry in pentane-solvated C ₆₀ and C ₇₀ . <i>Physical Review B</i> , 1991, 44, 888-891.	3.2	135
53	A Polymorph Lost and Found: The High-Temperature Crystal Structure of Pentacene. <i>Advanced Materials</i> , 2007, 19, 2079-2082.	21.0	128
54	Diffraction Symmetry in Crystalline, Close-Packed C ₆₀ . <i>Materials Research Society Symposia Proceedings</i> , 1990, 206, 691.	0.1	126

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55	Bias-Dependent Generation and Quenching of Defects in Pentacene. <i>Physical Review Letters</i> , 2004, 93, 076601.	7.8	124
56	A One-Dimensional Organic Lead Chloride Hybrid with Excitation-Dependent Broadband Emissions. <i>ACS Energy Letters</i> , 2018, 3, 1443-1449.	17.4	124
57	Growth and structural characterization of superconducting $\text{Ba}_{1-x}\text{KxBiO}_3$ single crystals. <i>Nature</i> , 1988, 335, 421-423.	27.8	122
58	Crystal chemistry of the series $\text{LnT}_2\text{B}_2\text{C}$ (Ln \rightarrow rare earth, T \rightarrow transition element). <i>Journal of Alloys and Compounds</i> , 1994, 216, 135-139.	5.5	122
59	Band Electronic Structure of One- and Two-Dimensional Pentacene Molecular Crystals. <i>Journal of Physical Chemistry B</i> , 2002, 106, 8288-8292.	2.6	122
60	Stabilization of strontium analogs of barium yttrium cuprate perovskites via chemical substitution. <i>Chemistry of Materials</i> , 1989, 1, 331-335.	6.7	121
61	Structural properties of $\text{Ba}_2\text{RCu}_3\text{O}_7$ high-Tc superconductors. <i>Physical Review B</i> , 1987, 36, 3617-3621.	3.2	119
62	Electrochemical Doping of Halide Perovskites with Ion Intercalation. <i>ACS Nano</i> , 2017, 11, 1073-1079.	14.6	118
63	The transition from molecules to solids: molecular syntheses of $\text{Ni}_9\text{Te}_6(\text{PEt}_3)_8$, $\text{Ni}_{20}\text{Te}_{18}(\text{PEt}_3)_{12}$ and NiTe . <i>Journal of the American Chemical Society</i> , 1989, 111, 9240-9241.	13.7	117
64	Green Emitting Single-Crystalline Bulk Assembly of Metal Halide Clusters with Near-Unity Photoluminescence Quantum Efficiency. <i>ACS Energy Letters</i> , 2019, 4, 1579-1583.	17.4	117
65	Oxygen-Related Band Gap State in Single Crystal Rubrene. <i>Physical Review Letters</i> , 2006, 97, 166601.	7.8	113
66	Self-Assembly and Electronics of Dipolar Linear Acenes. <i>Advanced Materials</i> , 2005, 17, 407-412.	21.0	110
67	Superconductivity and cation-vacancy ordering in the rare-earth fulleride $\text{Yb}_{2.75}\text{C}_{60}$. <i>Nature</i> , 1995, 375, 126-129.	27.8	109
68	Epitaxial growth and magnetic behavior of NiFe_2O_4 thin films. <i>Journal of Materials Research</i> , 1996, 11, 1187-1198.	2.6	105
69	Magnetic anisotropy of doped manganite thin films and crystals. <i>Journal of Applied Physics</i> , 1998, 83, 7064-7066.	2.5	103
70	Dynamic Spin Organization in Dilute Magnetic Systems. <i>Physical Review Letters</i> , 1985, 55, 1128-1131.	7.8	102
71	Sharp switching of the magnetization in $\text{Fe}_{1-x}\text{Ta}_x\text{S}_2$. <i>Physical Review B</i> , 2007, 75, .	3.2	99
72	Band structures of organic thin-film transistor materials. <i>Journal of Materials Chemistry</i> , 1995, 5, 1719.	6.7	96

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73	Lead-free halide double perovskite-polymer composites for flexible X-ray imaging. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11961-11967.	5.5	96
74	Bulk Assembly of Zero-Dimensional Organic Lead Bromide Hybrid with Efficient Blue Emission. , 2019, 1, 594-598.		92
75	New Layered Iron-Lanthanum-Oxide-Sulfide and -Selenide Phases: Fe ₂ La ₂ O ₃ E ₂ (E= S,Se). <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 1645-1647.	4.4	91
76	Superconductivity in rare earth cuprate perovskites. <i>Materials Research Bulletin</i> , 1987, 22, 1467-1473.	5.2	90
77	Impact of vacancy ordering on thermal transport in crystalline phase-change materials. <i>Reports on Progress in Physics</i> , 2015, 78, 013001.	20.1	84
78	Superconductivity in RPt ₂ B ₂ C. <i>Physical Review B</i> , 1994, 49, 12384-12387.	3.2	82
79	Synthesis, Structure and Physical Properties of the First One-Dimensional Phenalenyl-Based Neutral Radical Molecular Conductor. <i>Journal of the American Chemical Society</i> , 2004, 126, 1478-1484.	13.7	81
80	The crystal structure and some properties of ReSi ₂ . <i>Journal of the Less Common Metals</i> , 1983, 92, 119-129.	0.8	80
81	Phase Change Materials: Challenges on the Path to a Universal Storage Device. <i>Annual Review of Condensed Matter Physics</i> , 2012, 3, 215-237.	14.5	80
82	Bulk assembly of organic metal halide nanotubes. <i>Chemical Science</i> , 2017, 8, 8400-8404.	7.4	76
83	Ca _{1-x} CuO ₂ , a NaCuO ₂ -type related structure. <i>Chemistry of Materials</i> , 1990, 2, 192-194.	6.7	75
84	Cluster intermediates in an organometallic synthesis of palladium telluride PdTe. <i>Journal of the American Chemical Society</i> , 1990, 112, 9233-9236.	13.7	70
85	Phase Formation and Properties in the System Bi ₂ O ₃ :2CoO _{1+x} :Nb ₂ O ₅ . <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 4908-4914.	2.0	70
86	Enantiotropic Polymorphism in Di-indenoperylene. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18878-18881.	3.1	70
87	Growth and Electronic Transport in 9,10-Diphenylanthracene Single Crystals – An Organic Semiconductor of High Electron and Hole Mobility. <i>Advanced Materials</i> , 2007, 19, 2097-2101.	21.0	69
88	Growth and structural analysis of metalorganic chemical vapor deposited (112̄,0) Mg _x Zn _{1-x} O (0<x<0.33) films on (011̄,2) R-plane Al ₂ O ₃ substrates. <i>Applied Physics Letters</i> , 2003, 82, 742-744.	3.3	68
89	Dislocations and grain boundaries in semiconducting rubrene single-crystals. <i>Journal of Crystal Growth</i> , 2006, 290, 479-484.	1.5	68
90	Large uniaxial negative thermal expansion in pentacene due to steric hindrance. <i>Physical Review B</i> , 2007, 76, .	3.2	68

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109	High pressure effects on structural, magnetic, and transport properties of $\text{MnCo}_2\text{V}_2\text{S}_8$. <i>Physical Review B</i> , 2016, 93, 041101.	3.2	51
110	Structure and properties of reduced barium niobium oxide single crystals obtained from borate fluxes. <i>Chemistry of Materials</i> , 1991, 3, 528-534.	6.7	50
111	Superconducting phases of URu_2Si_2 . <i>Physical Review B</i> , 1991, 44, 5392-5395.	3.2	50
112	Octatelluridohexakis(triethylphosphine)hexacobalt and a connection between Chevrel clusters and the NiAs structure. <i>Inorganic Chemistry</i> , 1991, 30, 2256-2257.	4.0	49
113	Simulation and characterization of the selective area growth process. <i>Applied Physics Letters</i> , 1999, 74, 2617-2619.	3.3	48
114	Ferromagnetism in Fe-implanted a-plane ZnO films. <i>Applied Physics Letters</i> , 2006, 89, 012508.	3.3	47
115	Nickel-selenium-triethylphosphine ($\text{Ni}_2\text{Se}_{12}(\text{PET}_3)_{13}$), an intramolecular intergrowth of nickel selenide (NiSe) and nickel. <i>Journal of the American Chemical Society</i> , 1992, 114, 10334-10338.	13.7	46
116	effect of Diverse Ligands on the Course of a Molecules-to-Solids Process and Properties of Its Intermediates. <i>Inorganic Chemistry</i> , 1994, 33, 3389-3395.	4.0	46
117	Solid-State Structural and Electrical Characterization of N-Benzyl and N-Alkyl Naphthalene 1,4,5,8-Tetracarboxylic Diimides. <i>ChemPhysChem</i> , 2001, 2, 167-172.	2.1	46
118	High hardness in the biocompatible intermetallic compound Ti_3Au . <i>Science Advances</i> , 2016, 2, e1600319.	10.3	46
119	ScAlMgO_4 : an Oxide Substrate for GaN Epitaxy. <i>MRS Internet Journal of Nitride Semiconductor Research</i> , 1996, 1, 1.	1.0	45
120	In-plane anisotropic strain in a-ZnO films grown on r-sapphire substrates. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	45
121	Pentacene-based thin film transistors with titanium oxide-polystyrene/polystyrene insulator blends: High mobility on high K dielectric films. <i>Applied Physics Letters</i> , 2007, 90, 062111.	3.3	43
122	Role of synthesis for oxygen defect incorporation in crystalline rubrene. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	43
123	High-temperature behavior of CoAs_2 and CoSb_2 . <i>Journal of Solid State Chemistry</i> , 1986, 63, 23-30.	2.9	42
124	Low-Dimensional Organic Tin Bromide Perovskites and Their Photoinduced Structural Transformation. <i>Angewandte Chemie</i> , 2017, 129, 9146-9150.	2.0	42
125	Epitaxy of ultrathin films of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ on $\text{SrTiO}_3(001)$ investigated with X-ray standing waves. <i>Solid State Communications</i> , 1995, 93, 763-767.	1.9	40
126	Coexistence of Weyl physics and planar defects in the semimetals TaP and TaAs. <i>Physical Review B</i> , 2016, 93, .	3.2	40

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127	Rapidly quenched Bi-containing high T_c superconducting oxide compositions. Journal of Materials Research, 1989, 4, 1330-1338.	2.6	38
128	A New Barium Scandium Silicate: $Ba_9Sc_2(SiO_4)_6$. Journal of Solid State Chemistry, 1994, 113, 211-214.	2.9	38
129	Optimized growth of lattice-matched $In_xAl_{1-x}N/GaN$ heterostructures by molecular beam epitaxy. Applied Physics Letters, 2007, 90, 021922.	3.3	37
130	The Magnetic structure of UIr. Journal of Magnetism and Magnetic Materials, 1987, 67, 323-330.	2.3	36
131	Combining Magnets and Dielectrics: Crystal Chemistry in the $BaO \sim Fe_2O_3 \sim TiO_2$ System. European Journal of Inorganic Chemistry, 2003, 2003, 1483-1501.	2.0	36
132	Resonating Valence Bond and π -Charge Density Wave Phases in a Benzannulated Phenalenyl Radical. Journal of the American Chemical Society, 2010, 132, 2684-2694.	13.7	36
133	Tin telluride: A weakly co-elastic metal. Physical Review B, 2010, 82, .	3.2	36
134	Magnetic and electrical properties of UCu_2Ge_2 . Solid State Communications, 1989, 69, 113-116.	1.9	35
135	A new type of homologous series in the La-Cu-O system. Physica C: Superconductivity and Its Applications, 1991, 177, 115-121.	1.2	35
136	A New Synthetic Route to Pseudo-Brookite-Type $CaTi_2O_4$. Journal of Solid State Chemistry, 1998, 141, 338-342.	2.9	35
137	High-reflectivity ultraviolet $AlGaIn/AlGaIn$ distributed Bragg reflectors. Applied Physics Letters, 2006, 88, 171101.	3.3	35
138	Competing covalent and ionic bonding in Ge-Sb-Te phase change materials. Scientific Reports, 2016, 6, 25981.	3.3	35
139	Superconductivity in single crystals of the fullerene C_{70} . Nature, 2001, 413, 831-833.	27.8	34
140	Iron telluride $(Et_3P)_4Fe_4Te_4$: an intermediate between molecular reagents and solid state products. Journal of the American Chemical Society, 1992, 114, 3155-3156.	13.7	33
141	Physical characterization of functionalized spider silk: electronic and sensing properties. Science and Technology of Advanced Materials, 2011, 12, 055002.	6.1	33
142	Single crystal synthesis and magnetism of the $BaLn_2O_4$ family ($Ln = \text{lanthanide}$). Progress in Solid State Chemistry, 2014, 42, 23-36.	7.2	33
143	An itinerant antiferromagnetic metal without magnetic constituents. Nature Communications, 2015, 6, 7701.	12.8	33
144	$(Ba,K)_3Bi_2O_7$: A layered bismuth oxide. Physical Review B, 1991, 44, 9746-9748.	3.2	32

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145	Structure of ten-layer orthorhombic Ba ₅ Fe ₅ O ₁₄ (BaFeO _{2.8}) determined from single crystal X-ray diffraction. <i>Journal of Solid State Chemistry</i> , 2004, 177, 928-935.	2.9	32
146	Cs _{8.5} W ₁₅ O ₄₈ and CSW ₂ O ₆ : Members of a New Homologous Series of Cesium Tungsten Oxides. <i>Journal of Solid State Chemistry</i> , 1993, 103, 359-365.	2.9	31
147	Crystallographica- a software toolkit for crystallography. <i>Journal of Applied Crystallography</i> , 1997, 30, 418-419.	4.5	31
148	Subsolidus phase equilibria and crystal chemistry in the system BaO-TiO ₂ -Ta ₂ O ₅ . <i>Solid State Sciences</i> , 2003, 5, 149-164.	3.2	31
149	Magnetotransport in the heavy-fermion compound U ₂ Zn ₁₇ . <i>Physical Review B</i> , 1986, 33, 4370-4372.	3.2	30
150	Superconductivity in multiple phase Sr ₂ Ln _{1-x} CaxGaCu ₂ O ₇ and characterization of La _{2-x} SrxCaCu ₂ O _{6+δ} . <i>Physica C: Superconductivity and Its Applications</i> , 1991, 185-189, 180-183.	1.2	30
151	Stabilization of superconducting LnPt ₂ B ₂ C by partial substitution of gold for platinum. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 226, 170-174.	1.2	29
152	Ln ₃ Cu ₄ P ₄ O ₂ : A New Lanthanide Transition Metal Pnictide Oxide Structure Type. <i>Journal of Solid State Chemistry</i> , 1997, 129, 250-256.	2.9	29
153	Mesophase Transitions, Surface Functionalization, and Growth Mechanism of Semiconducting 6PTTP6 Films from Solution. <i>Journal of Physical Chemistry B</i> , 2004, 108, 8567-8571.	2.6	29
154	Reactions of Strained Hydrocarbons with Alkene and Alkyne Metathesis Catalysts. <i>Journal of the American Chemical Society</i> , 2008, 130, 14078-14079.	13.7	29
155	Two New Polymorphs of the Organic Semiconductor 9,10-Diphenylanthracene: Raman and X-ray Analysis. <i>Journal of Physical Chemistry C</i> , 2016, 120, 1831-1840.	3.1	29
156	Crystal chemistry of some Th ₂ Zn ₁₇ -type rare-earth-zinc phases. <i>Journal of the Less Common Metals</i> , 1987, 127, 189-197.	0.8	28
157	Ligand Control of Manganese Telluride Molecular Cluster Core Nuclearity. <i>Inorganic Chemistry</i> , 2015, 54, 8348-8355.	4.0	28
158	Anomalous metallic state and anisotropic multiband superconductivity in Nb ₃ Pd _{0.7} Se ₃ . <i>Physical Review B</i> , 2015, 91, 040501.	3.2	27
159	Metal Halide Scaffolded Assemblies of Organic Molecules with Enhanced Emission and Room Temperature Phosphorescence. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8229-8236.	4.6	27
160	Anharmonic thermal motion in the 93-K superconductor Ba ₂ YCu ₃ O ₇ using multiple-wavelength x-ray diffraction. <i>Physical Review B</i> , 1988, 38, 874-877.	3.2	26
161	Synthesis and characterization of the divalent samarium Zintl-phases SmMg ₂ Bi ₂ and SmMg ₂ Sb ₂ . <i>Journal of Solid State Chemistry</i> , 2015, 231, 217-222.	2.9	26
162	Shock wave induced changes in superconductivity in YBa ₂ Cu ₃ O _{7-δ} . <i>Applied Physics Letters</i> , 1989, 55, 1575-1577.	3.3	25

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163	ScAlMgO ₄ : An Oxide Substrate for GaN Epitaxy. Materials Research Society Symposia Proceedings, 1995, 395, 51.	0.1	25
164	REDUCED ALKALINE EARTH TANTALATES. Materials Research Bulletin, 1997, 32, 881-887.	5.2	25
165	Synthesis and Structure of a New Germanate Fluoride: NaCa ₂ GeO ₄ F. Journal of Solid State Chemistry, 2001, 160, 33-38.	2.9	25
166	A Solution-Processed Organometal Halide Perovskite Hole Transport Layer for Highly Efficient Organic Light-Emitting Diodes. Advanced Electronic Materials, 2016, 2, 1600165.	5.1	25
167	A 2:1 cocrystal of 6,13-dihydropentacene and pentacene. Acta Crystallographica Section E: Structure Reports Online, 2002, 58, o1229-o1231.	0.2	24
168	Organic Semiconductor Designed for Lamination Transfer between Polymer Films. Chemistry of Materials, 2005, 17, 5748-5753.	6.7	24
169	Quantum criticality among entangled spin chains. Nature Physics, 2018, 14, 273-276.	16.7	24
170	Hydrogen absorption by Th ₇ Fe ₃ and the related magnetic, structural and surface properties. Solid State Communications, 1982, 41, 135-138.	1.9	23
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172	Molecular precursor chemistry for titanium nitride: synthesis and structure of [Ti(NMe ₂)(N ₃)(μ ₃ -NMe ₂) ₃ (μ ₃ -N ₃)(μ ₃ -NH)]. Inorganic Chemistry, 1992, 31, 4898-4899.	4.0	22
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