

Theo Siegrist

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ext. citations

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L-index

#	Paper	IF	Citations
307	Bulk superconductivity at 91 K in single-phase oxygen-deficient perovskite Ba ₂ YCu. <i>Physical Review Letters</i> , 1987 , 58, 1676-1679	7.4	1501
306	A soluble and air-stable organic semiconductor with high electron mobility. <i>Nature</i> , 2000 , 404, 478-81	50.4	939
305	Superconductivity in the quaternary intermetallic compounds LnNi ₂ B ₂ C. <i>Nature</i> , 1994 , 367, 252-253	50.4	820
304	Structure and physical properties of single crystals of the 84-K superconductor Bi _{2.2} Sr ₂ Ca _{0.8} Cu ₂ O _{8+δ} . <i>Physical Review B</i> , 1988 , 38, 893-896	3.3	626
303	New phases of c60 synthesized at high pressure. <i>Science</i> , 1994 , 264, 1570-2	33.3	604
302	Physical vapor growth of organic semiconductors. <i>Journal of Crystal Growth</i> , 1998 , 187, 449-454	1.6	565
301	The parent structure of the layered high-temperature superconductors. <i>Nature</i> , 1988 , 334, 231-232	50.4	555
300	Superconductivity at 23 K in yttrium palladium boride carbide. <i>Nature</i> , 1994 , 367, 146-148	50.4	542
299	The crystal structure of superconducting LuNi ₂ B ₂ C and the related phase LuNiBC. <i>Nature</i> , 1994 , 367, 254-256	50.4	530
298	Superconductivity near 70 K in a new family of layered copper oxides. <i>Nature</i> , 1988 , 336, 211-214	50.4	471
297	One-dimensional organic lead halide perovskites with efficient bluish white-light emission. <i>Nature Communications</i> , 2017 , 8, 14051	17.4	464
296	Disorder-induced localization in crystalline phase-change materials. <i>Nature Materials</i> , 2011 , 10, 202-8	27	435
295	Crystal structure and the paraelectric-to-ferroelectric phase transition of nanoscale BaTiO ₃ . <i>Journal of the American Chemical Society</i> , 2008 , 130, 6955-63	16.4	420
294	Crystal structure of the high-T _c superconductor Ba ₂ YCu ₃ O _{9-δ} . <i>Physical Review B</i> , 1987 , 35, 7137-7139	3.3	414
293	Cupric oxide as an induced-multiferroic with high-TC. <i>Nature Materials</i> , 2008 , 7, 291-4	27	396
292	Low-Dimensional Organometal Halide Perovskites. <i>ACS Energy Letters</i> , 2018 , 3, 54-62	20.1	365
291	Photochemical Stability of Pentacene and a Substituted Pentacene in Solution and in Thin Films. <i>Chemistry of Materials</i> , 2004 , 16, 4980-4986	9.6	352

290	Synthesis, crystal structure, and transistor performance of tetracene derivatives. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15322-3	16.4	335
289	Superconductivity in YBa ₂ Cu ₃ O ₇ single crystals. <i>Nature</i> , 1987 , 328, 601-603	50.4	320
288	Physical vapor growth of centimeter-sized crystals of Hexathiophene. <i>Journal of Crystal Growth</i> , 1997 , 182, 416-427	1.6	311
287	Luminescent zero-dimensional organic metal halide hybrids with near-unity quantum efficiency. <i>Chemical Science</i> , 2018 , 9, 586-593	9.4	311
286	Preparation and structure of the alkali-metal fulleride A ₄ C ₆₀ . <i>Nature</i> , 1991 , 352, 701-703	50.4	294
285	Synthesis and characterization of alkali metal fullerenes: A _x C ₆₀ . <i>Journal of Physics and Chemistry of Solids</i> , 1992 , 53, 1321-1332	3.9	249
284	Studies of oxygen-deficient Ba ₂ YCu ₃ O _{7-x} and superconductivity Bi(Pb)SrCaCuO. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 560-565	1.3	247
283	Crystal Growth, Structure, and Electronic Band Structure of β -T Polymorphs. <i>Advanced Materials</i> , 1998 , 10, 379-382	24	245
282	A new layered cuprate structure-type, (A _{1-x} A _x) ₁₄ Cu ₂₄ O ₄₁ . <i>Materials Research Bulletin</i> , 1988 , 23, 1429-1438	14.3	241
281	Aluminum substitution in Ba ₂ YCu ₃ O ₇ . <i>Physical Review B</i> , 1987 , 36, 8365-8368	3.3	220
280	Fully Printed Halide Perovskite Light-Emitting Diodes with Silver Nanowire Electrodes. <i>ACS Nano</i> , 2016 , 10, 1795-801	16.7	219
279	Organization of acenes with a cruciform assembly motif. <i>Journal of the American Chemical Society</i> , 2006 , 128, 1340-5	16.4	205
278	Tetramethylpentacene: Remarkable Absence of Steric Effect on Field Effect Mobility. <i>Advanced Materials</i> , 2003 , 15, 1090-1093	24	201
277	Transferring self-assembled, nanoscale cables into electrical devices. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10700-1	16.4	198
276	Single-crystal field-effect transistors based on copper phthalocyanine. <i>Applied Physics Letters</i> , 2005 , 86, 022103	3.4	196
275	Zinc-indium-oxide: A high conductivity transparent conducting oxide. <i>Applied Physics Letters</i> , 1995 , 67, 2246-2248	3.4	188
274	Ferroelectricity in the cycloidal spiral magnetic phase of MnWO ₄ . <i>Physical Review B</i> , 2006 , 74,	3.3	186
273	Amorphouslike density of gap states in single-crystal pentacene. <i>Physical Review Letters</i> , 2004 , 93, 086802	9.24	186

272	Enhanced Physical Properties in a Pentacene Polymorph. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1732-1736	16.4	171
271	Low-Dimensional Organic Tin Bromide Perovskites and Their Photoinduced Structural Transformation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9018-9022	16.4	170
270	Field Effect Studies on Rubrene and Impurities of Rubrene. <i>Chemistry of Materials</i> , 2006 , 18, 244-248	9.6	168
269	The crystal structure of the high-temperature polymorph of Hexathienyl (HT/HT). <i>Journal of Materials Research</i> , 1995 , 10, 2170-2173	2.5	166
268	Nanoscale atoms in solid-state chemistry. <i>Science</i> , 2013 , 341, 157-60	33.3	162
267	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	16.4	158
266	Bulk and nanostructure Group II-VI compounds from molecular organometallic precursors. <i>Chemistry of Materials</i> , 1990 , 2, 403-409	9.6	155
265	Crystallization of charge holes in the spin ladder of Sr ₁₄ Cu ₂₄ O ₄₁ . <i>Nature</i> , 2004 , 431, 1078-81	50.4	147
264	Superconductivity in the LnNi ₂ B ₂ C intermetallics via boron A _{1g} phonons. <i>Solid State Communications</i> , 1994 , 91, 587-590	1.6	146
263	Growth of superconducting single crystals in the BiBrTaTeO system from alkali chloride fluxes. <i>Nature</i> , 1988 , 332, 422-424	50.4	132
262	An organometallic synthesis of TiO ₂ nanoparticles. <i>Nano Letters</i> , 2005 , 5, 543-8	11.5	130
261	Pseudotenfold symmetry in pentane-solvated C ₆₀ and C ₇₀ . <i>Physical Review B</i> , 1991 , 44, 888-891	3.3	126
260	Highly Efficient Broadband Yellow Phosphor Based on Zero-Dimensional Tin Mixed-Halide Perovskite. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44579-44583	9.5	125
259	Electronic, transport, and optical properties of bulk and mono-layer PdSe ₂ . <i>Applied Physics Letters</i> , 2015 , 107, 153902	3.4	124
258	Supersized contorted aromatics. <i>Chemical Science</i> , 2013 , 4, 2018	9.4	122
257	Diffraction Symmetry in Crystalline, Close-Packed C ₆₀ . <i>Materials Research Society Symposia Proceedings</i> , 1990 , 206, 691		122
256	Blue Emitting Single Crystalline Assembly of Metal Halide Clusters. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13181-13184	16.4	120
255	Bias-dependent generation and quenching of defects in pentacene. <i>Physical Review Letters</i> , 2004 , 93, 076601	7.4	118

254	Band Electronic Structure of One- and Two-Dimensional Pentacene Molecular Crystals. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 8288-8292	3.4	118
253	Facile Preparation of Light Emitting Organic Metal Halide Crystals with Near-Unity Quantum Efficiency. <i>Chemistry of Materials</i> , 2018 , 30, 2374-2378	9.6	115
252	Stabilization of strontium analogs of barium yttrium cuprate perovskites via chemical substitution. <i>Chemistry of Materials</i> , 1989 , 1, 331-335	9.6	115
251	Crystal chemistry of the series LnT ₂ B ₂ C (Ln ? rare earth, T ? transition element). <i>Journal of Alloys and Compounds</i> , 1994 , 216, 135-139	5.7	114
250	Growth and structural characterization of superconducting Ba _{1-x} K _x BiO ₃ single crystals. <i>Nature</i> , 1988 , 335, 421-423	50.4	114
249	Structural properties of Ba ₂ RCu. <i>Physical Review B</i> , 1987 , 36, 3617-3621	3.3	113
248	A Polymorph Lost and Found: The High-Temperature Crystal Structure of Pentacene. <i>Advanced Materials</i> , 2007 , 19, 2079-2082	24	110
247	Self-Assembly and Electronics of Dipolar Linear Acenes. <i>Advanced Materials</i> , 2005 , 17, 407-412	24	108
246	Oxygen-related band gap state in single crystal rubrene. <i>Physical Review Letters</i> , 2006 , 97, 166601	7.4	103
245	Epitaxial growth and magnetic behavior of NiFe ₂ O ₄ thin films. <i>Journal of Materials Research</i> , 1996 , 11, 1187-1198	2.5	101
244	Magnetic anisotropy of doped manganite thin films and crystals. <i>Journal of Applied Physics</i> , 1998 , 83, 7064-7066	2.5	97
243	Superconductivity and cation-vacancy ordering in the rare-earth fulleride Yb _{2.75} C ₆₀ . <i>Nature</i> , 1995 , 375, 126-129	50.4	97
242	The transition from molecules to solids: molecular syntheses of Ni ₉ Te ₆ (PEt ₃) ₈ , Ni ₂₀ Te ₁₈ (PEt ₃) ₁₂ and NiTe. <i>Journal of the American Chemical Society</i> , 1989 , 111, 9240-9241	16.4	96
241	Band structures of organic thin-film transistor materials. <i>Journal of Materials Chemistry</i> , 1995 , 5, 1719		94
240	Dynamic spin organization in dilute magnetic systems. <i>Physical Review Letters</i> , 1985 , 55, 1128-1131	7.4	93
239	A One-Dimensional Organic Lead Chloride Hybrid with Excitation-Dependent Broadband Emissions. <i>ACS Energy Letters</i> , 2018 , 3, 1443-1449	20.1	92
238	Electrochemical Doping of Halide Perovskites with Ion Intercalation. <i>ACS Nano</i> , 2017 , 11, 1073-1079	16.7	85
237	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		84

236	Superconductivity in rare earth cuprate perovskites. <i>Materials Research Bulletin</i> , 1987 , 22, 1467-1473	5.1	80
235	Superconductivity in RPt ₂ B ₂ C. <i>Physical Review B</i> , 1994 , 49, 12384-12387	3.3	77
234	Impact of vacancy ordering on thermal transport in crystalline phase-change materials. <i>Reports on Progress in Physics</i> , 2015 , 78, 013001	14.4	76
233	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	20.1	73
232	The crystal structure and some properties of ReSi ₂ . <i>Journal of the Less Common Metals</i> , 1983 , 92, 119-129		73
231	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, 1478-84	16.4	71
230	Phase Change Materials: Challenges on the Path to a Universal Storage Device. <i>Annual Review of Condensed Matter Physics</i> , 2012 , 3, 215-237	19.7	68
229	Ca _{1-x} CuO ₂ , a NaCuO ₂ -type related structure. <i>Chemistry of Materials</i> , 1990 , 2, 192-194	9.6	68
228	Sharp switching of the magnetization in Fe _{1-x} TaS ₂ . <i>Physical Review B</i> , 2007 , 75,	3.3	67
227	Structure and Transport Properties of the Charge-Transfer Salt Coronene ⁺ TCNQ ⁻ . <i>Chemistry of Materials</i> , 2004 , 16, 5751-5755	9.6	65
226	Enantiotropic Polymorphism in Di-indenoperylene. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 18878-18888		64
225	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	24	64
224	Growth and structural analysis of metalorganic chemical vapor deposited (112 0) Mg _x Zn _{1-x} O (0.	3.4	64
223	5,6,11,12-Tetrachlorotetracene, a tetracene derivative with π -stacking structure: The synthesis, crystal structure and transistor properties. <i>Organic Electronics</i> , 2008 , 9, 234-240	3.5	62
222	Lead-free halide double perovskite-polymer composites for flexible X-ray imaging. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 11961-11967	7.1	61
221	Cluster intermediates in an organometallic synthesis of palladium telluride PdTe. <i>Journal of the American Chemical Society</i> , 1990 , 112, 9233-9236	16.4	61
220	Trialkylsilylethynyl-Functionalized Tetraceno[2,3-b]thiophene and Anthra[2,3-b]thiophene Organic Transistors. <i>Chemistry of Materials</i> , 2008 , 20, 4669-4676	9.6	60
219	Dislocations and grain boundaries in semiconducting rubrene single-crystals. <i>Journal of Crystal Growth</i> , 2006 , 290, 479-484	1.6	59

218	Large uniaxial negative thermal expansion in pentacene due to steric hindrance. <i>Physical Review B</i> , 2007 , 76,	3-3	57
217	Crystallization of reduced strontium and barium niobate perovskites from borate fluxes. <i>Materials Research Bulletin</i> , 1991 , 26, 85-90	5-1	57
216	Initial stages in the molecule-based growth of the solid-state compound cobalt telluride (CoTe). <i>Inorganic Chemistry</i> , 1991 , 30, 4940-4945	5-1	57
215	Synthesis, crystal structure, and magnetism of $\text{Fe}_{1.00(2)}\text{Se}_{1.00(3)}$ single crystals. <i>Physical Review B</i> , 2011 , 83,	3-3	55
214	$\text{Co[V}_2\text{O}_4]$: a spinel approaching the itinerant electron limit. <i>Physical Review Letters</i> , 2011 , 106, 056602	7-4	54
213	Hexakis(triethylphosphine)octatelluridohexachromium and a molecule-based synthesis of chromium telluride, Cr_3Te_4 . <i>Inorganic Chemistry</i> , 1993 , 32, 5165-5169	5-1	54
212	Superconductivity with extremely large upper critical fields in $\text{Nb}_2\text{Pd}_{0.81}\text{S}_5$. <i>Scientific Reports</i> , 2013 , 3, 1446	4-9	53
211	Bulk Assembly of Zero-Dimensional Organic Lead Bromide Hybrid with Efficient Blue Emission 2019 , 1, 594-598		52
210	Bulk assembly of organic metal halide nanotubes. <i>Chemical Science</i> , 2017 , 8, 8400-8404	9-4	51
209	Assembling hierarchical cluster solids with atomic precision. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15873-6	16.4	51
208	Template-dependent morphogenesis of oriented calcite crystals in the presence of magnesium ions. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2386-90	16.4	51
207	In situ characterization of structural changes and the fraction of aligned carbon nanotube networks produced by stretching. <i>Carbon</i> , 2012 , 50, 3859-3867	10.4	49
206	Phase Formation and Properties in the System $\text{Bi}_2\text{O}_3:2\text{CoO}_{1+x}:\text{Nb}_2\text{O}_5$. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 4908-4914	2-3	48
205	Ferromagnetic ordering in superatomic solids. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16926-31	16.4	47
204	Ferromagnetism in Fe-implanted a-plane ZnO films. <i>Applied Physics Letters</i> , 2006 , 89, 012508	3-4	46
203	Superconducting phases of URu_2Si_2 . <i>Physical Review B</i> , 1991 , 44, 5392-5395	3-3	46
202	The crystal structure of BaRuO_3 . <i>Journal of the Less Common Metals</i> , 1991 , 170, 93-99		46
201	Bulk Assembly of Corrugated 1D Metal Halides with Broadband Yellow Emission. <i>Advanced Optical Materials</i> , 2019 , 7, 1801474	8-1	44

200	Solid-state structural and electrical characterization of N-benzyl and N-alkyl naphthalene 1,4,5,8-tetracarboxylic diimides. <i>ChemPhysChem</i> , 2001 , 2, 167-72	3.2	43
199	A new homologous series of lanthanum copper oxides. <i>Journal of Solid State Chemistry</i> , 1991 , 94, 170-184	3.3	43
198	Simulation and characterization of the selective area growth process. <i>Applied Physics Letters</i> , 1999 , 74, 2617-2619	3.4	42
197	Octatelluridohexakis(triethylphosphine)hexacobalt and a connection between Chevrel clusters and the NiAs structure. <i>Inorganic Chemistry</i> , 1991 , 30, 2256-2257	5.1	42
196	In-plane anisotropic strain in a-ZnO films grown on r-sapphire substrates. <i>Applied Physics Letters</i> , 2008 , 93, 041903	3.4	41
195	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	3.4	41
194	Role of synthesis for oxygen defect incorporation in crystalline rubrene. <i>Applied Physics Letters</i> , 2007 , 91, 212106	3.4	41
193	Chemical pressure effects on structural, magnetic, and transport properties of Mn _{1-x} Co _x V ₂ O ₄ . <i>Physical Review B</i> , 2011 , 84,	3.3	39
192	Epitaxy of ultrathin films of YBa ₂ Cu ₃ O _{7-δ} on SrTiO ₃ (001) investigated with X-ray standing waves. <i>Solid State Communications</i> , 1995 , 93, 763-767	1.6	38
191	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	5.1	38
190	Structure and properties of reduced barium niobium oxide single crystals obtained from borate fluxes. <i>Chemistry of Materials</i> , 1991 , 3, 528-534	9.6	38
189	Rapidly quenched Bi-containing high T _c superconducting oxide compositions. <i>Journal of Materials Research</i> , 1989 , 4, 1330-1338	2.5	37
188	Low-Dimensional Organic Tin Bromide Perovskites and Their Photoinduced Structural Transformation. <i>Angewandte Chemie</i> , 2017 , 129, 9146-9150	3.6	36
187	Bulk Assembly of Multicomponent Zero-Dimensional Metal Halides with Dual Emission 2020 , 2, 376-380		36
186	Optimized growth of lattice-matched In _x Al _{1-x} N/GaN heterostructures by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2007 , 90, 021922	3.4	36
185	Nickel-selenium-triethylphosphine (Ni ₂₃ Se ₁₂ (PEt ₃) ₁₃), an intramolecular intergrowth of nickel selenide (NiSe) and nickel. <i>Journal of the American Chemical Society</i> , 1992 , 114, 10334-10338	16.4	36
184	The Magnetic structure of UIr. <i>Journal of Magnetism and Magnetic Materials</i> , 1987 , 67, 323-330	2.8	36
183	High-temperature behavior of CoAs ₂ and CoSb ₂ . <i>Journal of Solid State Chemistry</i> , 1986 , 63, 23-30	3.3	35

182	High hardness in the biocompatible intermetallic compound Ti_3Au . <i>Science Advances</i> , 2016 , 2, e1600319	4.3	34
181	Bulk Assemblies of Lead Bromide Trimer Clusters with Geometry-Dependent Photophysical Properties. <i>Chemistry of Materials</i> , 2020 , 32, 374-380	9.6	33
180	High-reflectivity ultraviolet AlGaIn/AlGaIn distributed Bragg reflectors. <i>Applied Physics Letters</i> , 2006 , 88, 171101	3.4	32
179	ScAlMgO ₄ : an Oxide Substrate for GaN Epitaxy. <i>MRS Internet Journal of Nitride Semiconductor Research</i> , 1996 , 1, 1		32
178	Magnetic and electrical properties of UCu ₂ Ge ₂ . <i>Solid State Communications</i> , 1989 , 69, 113-116	1.6	32
177	Coexistence of Weyl physics and planar defects in the semimetals TaP and TaAs. <i>Physical Review B</i> , 2016 , 93,	3.3	31
176	Tin telluride: A weakly co-elastic metal. <i>Physical Review B</i> , 2010 , 82,	3.3	31
175	Combining Magnets and Dielectrics: Crystal Chemistry in the BaOFe ₂ O ₃ TiO ₂ System. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 1483-1501	2.3	31
174	A New Barium Scandium Silicate: Ba ₉ Sc ₂ (SiO ₄) ₆ . <i>Journal of Solid State Chemistry</i> , 1994 , 113, 211-214	3.3	31
173	A new type of homologous series in the La-Cu-O system. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 177, 115-121	1.3	31
172	Resonating valence bond and sigma-charge density wave phases in a benzannulated phenalenyl radical. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2684-94	16.4	30
171	A New Synthetic Route to Pseudo-Brookite-Type CaTi ₂ O ₄ . <i>Journal of Solid State Chemistry</i> , 1998 , 141, 338-342	3.3	30
170	Superconductivity in single crystals of the fullerene C ₇₀ . <i>Nature</i> , 2001 , 413, 831-3	50.4	30
169	Superconductivity in multiple phase Sr ₂ Ln _{1-x} CaxGaCu ₂ O ₇ and characterization of La _{2-x} SrxCaCu ₂ O _{6+y} <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 180-183	1.3	30
168	Competing covalent and ionic bonding in Ge-Sb-Te phase change materials. <i>Scientific Reports</i> , 2016 , 6, 25981	4.9	29
167	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	3.3	29
166	(Ba,K) ₃ Bi ₂ O ₇ : A layered bismuth oxide. <i>Physical Review B</i> , 1991 , 44, 9746-9748	3.3	29
165	Physical characterization of functionalized spider silk: electronic and sensing properties. <i>Science and Technology of Advanced Materials</i> , 2011 , 12, 055002	7.1	28

- 164 Reactions of strained hydrocarbons with alkene and alkyne metathesis catalysts. *Journal of the American Chemical Society*, **2008**, 130, 14078-9 16.4 28
- 163 Stabilization of superconducting $\text{LnPt}_2\text{B}_2\text{C}$ by partial substitution of gold for platinum. *Physica C: Superconductivity and Its Applications*, **1994**, 226, 170-174 1.3 28
- 162 Iron telluride $(\text{Et}_3\text{P})_4\text{Fe}_4\text{Te}_4$: an intermediate between molecular reagents and solid state products. *Journal of the American Chemical Society*, **1992**, 114, 3155-3156 16.4 28
- 161 Magnetotransport in the heavy-fermion compound U_2Zn_{17} . *Physical Review B*, **1986**, 33, 4370-4372 3.3 28
- 160 Single crystal synthesis and magnetism of the BaLn_2O_4 family ($\text{Ln} = \square$ lanthanide). *Progress in Solid State Chemistry*, **2014**, 42, 23-36 8 27
- 159 Mesophase Transitions, Surface Functionalization, and Growth Mechanism of Semiconducting 6PTTP6 Films from Solution. *Journal of Physical Chemistry B*, **2004**, 108, 8567-8571 3.4 27
- 158 Two New Polymorphs of the Organic Semiconductor 9,10-Diphenylanthracene: Raman and X-ray Analysis. *Journal of Physical Chemistry C*, **2016**, 120, 1831-1840 3.8 26
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- 156 Anomalous metallic state and anisotropic multiband superconductivity in $\text{Nb}_3\text{Pd}_{0.7}\text{Se}_7$. *Physical Review B*, **2013**, 88, 3.3 25
- 155 $\text{Cs}_8.5\text{W}_{15}\text{O}_{48}$ and CSW_2O_6 : Members of a New Homologous Series of Cesium Tungsten Oxides. *Journal of Solid State Chemistry*, **1993**, 103, 359-365 3.3 25
- 154 Crystal chemistry of some $\text{Th}_2\text{Zn}_{17}$ -type rare-earth-zinc phases. *Journal of the Less Common Metals*, **1987**, 127, 189-197 25
- 153 An itinerant antiferromagnetic metal without magnetic constituents. *Nature Communications*, **2015**, 6, 7701 17.4 24
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- 149 Shock wave induced changes in superconductivity in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\square}$. *Applied Physics Letters*, **1989**, 55, 1575-1577 3.4 24
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1 Disorder Induced Metal-Insulator Transition in Phase Change Materials 47-47