

Theo Siegrist

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

307
papers

23,775
citations

74
h-index

149
g-index

348
ext. papers

25,309
ext. citations

8.2
avg. IF

6.34
L-index

#	Paper	IF	Citations
307	Momentum-space signatures of Berry flux monopoles in the Weyl semimetal TaAs. <i>Nature Communications</i> , 2021 , 12, 3650	17.4	2
306	Layer- and gate-tunable spin-orbit coupling in a high-mobility few-layer semiconductor. <i>Science Advances</i> , 2021 , 7,	14.3	1
305	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	6.4	5
304	Disorder-induced Anderson-like localization for bidimensional thermoelectrics optimization. <i>Matter</i> , 2021 , 4, 2970-2984	12.7	3
303	Understanding the effect of light and temperature on the optical properties and stability of mixed-ion halide perovskites. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 9714-9723	7.1	10
302	Bulk Assembly of Multicomponent Zero-Dimensional Metal Halides with Dual Emission 2020 , 2, 376-380		36
301	Quantum Critical Point in the Itinerant Ferromagnet Ni _{{1-x}Rh_{x}} . <i>Physical Review Letters</i> , 2020 , 124, 117203	7.4	6
300	Evidence for undoped Weyl semimetal charge transport in YIrO. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 02LT01	1.8	4
299	Bulk Assemblies of Lead Bromide Trimer Clusters with Geometry-Dependent Photophysical Properties. <i>Chemistry of Materials</i> , 2020 , 32, 374-380	9.6	33
298	Superstructures and Superconductivity Linked with Pd Intercalation in Nb ₂ Pd _x Se ₅ . <i>Chemistry of Materials</i> , 2020 , 32, 8361-8366	9.6	0
297	Disorder and slowing magnetic dynamics in (BEDT-TTF) ₂ Hg(SCN) ₂ Br. <i>Physical Review B</i> , 2020 , 102,	3.3	2
296	Order-disorder transition in the S = 1/2 kagome antiferromagnets claringbullite and barlowite. <i>Chemical Communications</i> , 2019 , 55, 11587-11590	5.8	7
295	Grüneisen divergence near the structural quantum phase transition in ScF ₃ . <i>Philosophical Magazine</i> , 2019 , 99, 631-643	1.6	2
294	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
293	Enhanced thermoelectric performance of heavy-fermion compounds Yb ₂ Zn (= Co, Rh, Ir) at low temperatures. <i>Science Advances</i> , 2019 , 5, eaaw6183	14.3	3
292	Bulk Assembly of Zero-Dimensional Organic Lead Bromide Hybrid with Efficient Blue Emission 2019 , 1, 594-598		52
291	BaCrNH: A New Nitride-Hydride with Trigonal Planar Cr. <i>Inorganic Chemistry</i> , 2019 , 58, 3302-3307	5.1	6

290	Microstructure of hard biocompatible Ti _{1-x} Aux alloys. <i>Materials Characterization</i> , 2019 , 149, 133-142	3.9	7
289	Bulk Assembly of Corrugated 1D Metal Halides with Broadband Yellow Emission. <i>Advanced Optical Materials</i> , 2019 , 7, 1801474	8.1	44
288	Synthesis and Crystal Structure of the Layered Lanthanide Oxychlorides BaLnOCl. <i>Inorganic Chemistry</i> , 2018 , 57, 1727-1734	5.1	6
287	Uncovering the Origin of Divergence in the CsM(CrO) (M = La, Pr, Nd, Sm, Eu; Am) Family through Examination of the Chemical Bonding in a Molecular Cluster and by Band Structure Analysis. <i>Journal of the American Chemical Society</i> , 2018 , 140, 1674-1685	16.4	13
286	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
285	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
284	Effects of chemical disorder in the itinerant antiferromagnet Ti V Au. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 365602	1.8	
283	Low-Dimensional Organometal Halide Perovskites. <i>ACS Energy Letters</i> , 2018 , 3, 54-62	20.1	365
282	Quantum criticality among entangled spin chains. <i>Nature Physics</i> , 2018 , 14, 273-276	16.2	17
281	Luminescent zero-dimensional organic metal halide hybrids with near-unity quantum efficiency. <i>Chemical Science</i> , 2018 , 9, 586-593	9.4	311
280	Weak ferromagnetism and glassy state in (BEDTTF) ₂ Hg(SCN) ₂ Br. <i>Physical Review B</i> , 2018 , 98,	3.3	6
279	Blue Emitting Single Crystalline Assembly of Metal Halide Clusters. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13181-13184	16.4	120
278	A One-Dimensional Organic Lead Chloride Hybrid with Excitation-Dependent Broadband Emissions. <i>ACS Energy Letters</i> , 2018 , 3, 1443-1449	20.1	92
277	Electrochemical Doping of Halide Perovskites with Ion Intercalation. <i>ACS Nano</i> , 2017 , 11, 1073-1079	16.7	85
276	Growth of EuO single crystals at reduced temperatures. <i>Physical Review B</i> , 2017 , 95,	3.3	2
275	Low-Dimensional Organic Tin Bromide Perovskites and Their Photoinduced Structural Transformation. <i>Angewandte Chemie</i> , 2017 , 129, 9146-9150	3.6	36
274	Interacting nanoscale magnetic superatom cluster arrays in molybdenum oxide bronzes. <i>Nanoscale</i> , 2017 , 9, 7922-7929	7.7	4
273	Low-Dimensional Organic Tin Bromide Perovskites and Their Photoinduced Structural Transformation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9018-9022	16.4	170

272	One-dimensional organic lead halide perovskites with efficient bluish white-light emission. <i>Nature Communications</i> , 2017 , 8, 14051	17.4	464
271	Temperature-dependent elasticity of $\text{Pb}[(\text{Mg}_{0.33}\text{Nb}_{0.67})_{1-x}\text{Ti}_x]\text{O}_3$. <i>Physical Review B</i> , 2017 , 96,	3.3	2
270	Bulk assembly of organic metal halide nanotubes. <i>Chemical Science</i> , 2017 , 8, 8400-8404	9.4	51
269	Gel Growth of $\text{K}_2\text{PbCu}(\text{NO}_2)_6$ -Elpasolite Single Crystals. <i>Crystal Growth and Design</i> , 2017 , 17, 5170-5177	3.5	2
268	Possible devil's staircase in the Kondo lattice CeSbSe . <i>Physical Review B</i> , 2017 , 96,	3.3	13
267	Quantum critical point in the Sc-doped itinerant antiferromagnet TiAu . <i>Physical Review B</i> , 2017 , 95,	3.3	5
266	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
265	Correlated electron state in CeCu_2Si_2 controlled through Si to P substitution. <i>Physical Review Materials</i> , 2017 , 1,	3.2	2
264	Temperature-pressure phase diagram of cubic Laves phase Au_2Pb . <i>Physical Review B</i> , 2016 , 93,	3.3	10
263	Coexistence of Weyl physics and planar defects in the semimetals TaP and TaAs . <i>Physical Review B</i> , 2016 , 93,	3.3	31
262	High Magnetic Field Annealing of Mn-Ga Intermetallic Alloys. <i>MRS Advances</i> , 2016 , 1, 227-233	0.7	2
261	High hardness in the biocompatible intermetallic compound Ti_3Au . <i>Science Advances</i> , 2016 , 2, e1600319	14.3	34
260	Competing covalent and ionic bonding in Ge-Sb-Te phase change materials. <i>Scientific Reports</i> , 2016 , 6, 25981	4.9	29
259	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	3.8	26
258	Fully Printed Halide Perovskite Light-Emitting Diodes with Silver Nanowire Electrodes. <i>ACS Nano</i> , 2016 , 10, 1795-801	16.7	219
257	Single Crystal Growth of URu_2Si_2 by the Modified Bridgman Technique. <i>Crystals</i> , 2016 , 6, 128	2.3	3
256	A Solution-Processed Organometal Halide Perovskite Hole Transport Layer for Highly Efficient Organic Light-Emitting Diodes. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600165	6.4	22
255	Magnetic properties of doped Mn-Ga alloys made by mechanical milling and heat treatment. <i>AIP Advances</i> , 2016 , 6, 056012	1.5	5

254	Uncovering the behavior of Hf ₂ Te ₂ P and the candidate Dirac metal Zr ₂ Te ₂ P. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 14LT01	1.8	7
253	Thermodynamic Measurement of Angular Anisotropy at the Hidden Order Transition of URu ₂ Si ₂ . <i>Physical Review Letters</i> , 2016 , 117, 157201	7.4	7
252	An itinerant antiferromagnetic metal without magnetic constituents. <i>Nature Communications</i> , 2015 , 6, 7701	17.4	24
251	A family of rare earth molybdenum bronzes: Oxides consisting of periodic arrays of interacting magnetic units. <i>Journal of Solid State Chemistry</i> , 2015 , 227, 178-185	3.3	2
250	Complex magnetism and strong electronic correlations in Ce ₂ PdGe ₃ . <i>Physical Review B</i> , 2015 , 91,	3.3	10
249	Ba ₂ TeO as an optoelectronic material: First-principles study. <i>Journal of Applied Physics</i> , 2015 , 117, 195705	5	3
248	Ligand Control of Manganese Telluride Molecular Cluster Core Nuclearity. <i>Inorganic Chemistry</i> , 2015 , 54, 8348-55	5.1	24
247	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	3.3	15
246	Ba ₂ TeO: A new layered oxytelluride. <i>Journal of Solid State Chemistry</i> , 2015 , 222, 60-65	3.3	4
245	Non-Fermi Liquid Behavior Close to a Quantum Critical Point in a Ferromagnetic State without Local Moments. <i>Physical Review X</i> , 2015 , 5,	9.1	7
244	Transport properties of cubic crystalline Ge ₂ Sb ₂ Te ₅ : A potential low-temperature thermoelectric material. <i>Applied Physics Letters</i> , 2015 , 106, 123907	3.4	16
243	A facility for X-ray diffraction in magnetic fields up to 25 T and temperatures between 15 and 295 K. <i>Review of Scientific Instruments</i> , 2015 , 86, 123902	1.7	3
242	Electronic, transport, and optical properties of bulk and mono-layer PdSe ₂ . <i>Applied Physics Letters</i> , 2015 , 107, 153902	3.4	124
241	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
240	Texture in state-of-the-art Nb ₃ Sn multifilamentary superconducting wires. <i>Superconductor Science and Technology</i> , 2014 , 27, 025013	3.1	11
239	Ferromagnetic ordering in superatomic solids. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16926-31	6.4	47
238	Assembling hierarchical cluster solids with atomic precision. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15873-6	16.4	51
237	Single crystal synthesis and magnetism of the BaLn ₂ O ₄ family (Ln=lanthanide). <i>Progress in Solid State Chemistry</i> , 2014 , 42, 23-36	8	27

236	Hard magnetic properties observed in bulk Mn _{1-x} Gax. <i>Journal of Applied Physics</i> , 2014 , 115, 17A723	2.5	9
235	Spin ordering and dynamics in the frustrated antiferromagnet YBaCo ₄ O _{7.1} . <i>Physical Review B</i> , 2014 , 89,	3.3	1
234	Stress distribution and lattice distortions in Nb ₃ Sn multifilament wires under uniaxial tensile loading at 4.2 K. <i>Superconductor Science and Technology</i> , 2014 , 27, 044021	3.1	14
233	A new oxytelluride: Perovskite and CsCl intergrowth in Ba ₃ Yb ₂ O ₅ Te. <i>Journal of Solid State Chemistry</i> , 2013 , 203, 204-211	3.3	4
232	Small and nearly isotropic hole-like Fermi surfaces in LiFeAs detected through de Haas-van Alphen effect. <i>Physical Review B</i> , 2013 , 88,	3.3	11
231	Thermodynamic and transport properties of RSn ₂ (R=Tb, Lu, Y) single crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 341, 6-16	2.8	3
230	Supersized contorted aromatics. <i>Chemical Science</i> , 2013 , 4, 2018	9.4	122
229	Nanoscale atoms in solid-state chemistry. <i>Science</i> , 2013 , 341, 157-60	33.3	162
228	Anomalous metallic state and anisotropic multiband superconductivity in Nb ₃ Pd _{0.7} Se ₇ . <i>Physical Review B</i> , 2013 , 88,	3.3	25
227	Evidence for an internal-field-induced spin-flop configuration in the extended kagome YBaCo ₄ O ₇ . <i>Physical Review B</i> , 2013 , 87,	3.3	9
226	Superconductivity with extremely large upper critical fields in Nb ₂ Pd _{0.81} S ₅ . <i>Scientific Reports</i> , 2013 , 3, 1446	4.9	53
225	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
224	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
223	Orbital, charge, and spin couplings in Ru ²⁺ O ₉ dimers of Ba ₃ CoRu ₂ O ₉ . <i>Physical Review B</i> , 2012 , 85,	3.3	11
222	Co[V ₂ O ₄]: a spinel approaching the itinerant electron limit. <i>Physical Review Letters</i> , 2011 , 106, 056602	7.4	54
221	Disorder-induced localization in crystalline phase-change materials. <i>Nature Materials</i> , 2011 , 10, 202-8	27	435
220	Synthesis, crystal structure, and magnetism of R _{1-x} Fe _{1.00(2)} Se _{1.00(3)} single crystals. <i>Physical Review B</i> , 2011 , 83,	3.3	55
219	Synthesis of regioregular pentacene-containing conjugated polymers. <i>Journal of Materials Chemistry</i> , 2011 , 21, 7078		18

218	Physical characterization of functionalized spider silk: electronic and sensing properties. <i>Science and Technology of Advanced Materials</i> , 2011 , 12, 055002	7.1	28
217	Chemical pressure effects on structural, magnetic, and transport properties of $\text{Mn}_{1-x}\text{Co}_x\text{V}_2\text{O}_4$. <i>Physical Review B</i> , 2011 , 84,	3.3	39
216	Floating zone crystal growth and structural distortion of $\text{Pb}_2\text{V}_3\text{O}_9$. <i>Journal of Crystal Growth</i> , 2011 , 321, 120-123	1.6	2
215	Disorder-dependent superconducting phase diagram at high magnetic fields in $\text{Fe}_{1+y}\text{SexTe}_{1-x}$ ($x \sim 0.4$). <i>Physical Review B</i> , 2011 , 84,	3.3	13
214	Metamagnetic transition in single-crystal $\text{Bi}_4\text{Cu}_3\text{V}_2\text{O}_{14}$. <i>Physical Review B</i> , 2010 , 82,	3.3	4
213	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
212	Tin telluride: A weakly co-elastic metal. <i>Physical Review B</i> , 2010 , 82,	3.3	31
211	Growth of Single-Crystal Organic Semiconductors 2010 , 845-867		6
210	Structural anisotropy in $\alpha\text{-Mg}_x\text{Zn}_{1-x}\text{O}$ ($0 \leq x \leq 0.33$) films on r-sapphire. <i>Journal of Vacuum Science & Technology B</i> , 2009 , 27, 1620		7
209	Possible Verwey-Type Transition in $\text{Pb}_3\text{Rh}_7\text{O}_{15}$. <i>Chemistry of Materials</i> , 2009 , 21, 2300-2305	9.6	7
208	Cupric oxide as an induced-multiferroic with high-TC. <i>Nature Materials</i> , 2008 , 7, 291-4	27	396
207	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
206	Reactions of strained hydrocarbons with alkene and alkyne metathesis catalysts. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14078-9	16.4	28
205	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
204	In-plane anisotropic strain in $\alpha\text{-ZnO}$ films grown on r-sapphire substrates. <i>Applied Physics Letters</i> , 2008 , 93, 041903	3.4	41
203	Mg composition dependent strain analysis in nonpolar $\alpha\text{-plane}$ $\text{Mg}_x\text{Zn}_{1-x}\text{O}$ films. <i>Applied Physics Letters</i> , 2008 , 93, 151907	3.4	8
202	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
201	Molecular ordering in bis(phenylenyl)bithiophenes. <i>Journal of Materials Chemistry</i> , 2007 , 17, 3427		11

200	Enantiotropic Polymorphism in Di-indenoperylene. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 18878-18888		64
199	Sharp switching of the magnetization in Fe _{1-x} Ta ₂ S ₂ . <i>Physical Review B</i> , 2007 , 75,	3-3	67
198	A Polymorph Lost and Found: The High-Temperature Crystal Structure of Pentacene. <i>Advanced Materials</i> , 2007 , 19, 2079-2082	24	110
197	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
196	Mobility-independent doping in crystalline rubrene field-effect transistors. <i>Solid State Communications</i> , 2007 , 142, 483-486	1.6	17
195	Surface and Interface Properties of Metal-Organic Chemical Vapor Deposition Grown a-Plane Mg _x Zn _{1-x} O (0 ≤ x ≤ 0.3) Films. <i>Journal of Electronic Materials</i> , 2007 , 36, 446-451	1.9	9
194	Structural and Optical Properties of ZnO Nanotips Grown on GaN Using Metalorganic Chemical Vapor Deposition. <i>Journal of Electronic Materials</i> , 2007 , 36, 654-658	1.9	7
193	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
192	a-plane Mg _x Zn _{1-x} O films deposited on r-sapphire and its surface acoustic wave characteristics. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2007 , 25, 857-861	2.9	9
191	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
190	Large uniaxial negative thermal expansion in pentacene due to steric hindrance. <i>Physical Review B</i> , 2007 , 76,	3-3	57
189	Role of synthesis for oxygen defect incorporation in crystalline rubrene. <i>Applied Physics Letters</i> , 2007 , 91, 212106	3-4	41
188	Synthesis and characterization of the pseudo-hexagonal hollandites Al ₂ Ru ₆ O ₁₂ (A=Na, K). <i>Journal of Solid State Chemistry</i> , 2006 , 179, 941-948	3-3	5
187	Hybrid deposition of piezoelectric ((11̄20)) Mg _x Zn _{1-x} O (0 ≤ x ≤ 0.3) on ((01̄12)) R-sapphire substrates using RF sputtering and MOCVD. <i>Journal of Electronic Materials</i> , 2006 , 35, 1306-1310	1.9	7
186	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	2-3	48
185	Exciton and Defect Photoluminescence Signatures in Single Crystal Rubrene. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 965, 1		
184	Ferroelectricity in the cycloidal spiral magnetic phase of MnWO ₄ . <i>Physical Review B</i> , 2006 , 74,	3-3	186
183	Ferromagnetism in Fe-implanted a-plane ZnO films. <i>Applied Physics Letters</i> , 2006 , 89, 012508	3-4	46

182	High-reflectivity ultraviolet AlGaIn/AlGaIn distributed Bragg reflectors. <i>Applied Physics Letters</i> , 2006 , 88, 171101	3.4	32
181	Organization of acenes with a cruciform assembly motif. <i>Journal of the American Chemical Society</i> , 2006 , 128, 1340-5	16.4	205
180	Oxygen-related band gap state in single crystal rubrene. <i>Physical Review Letters</i> , 2006 , 97, 166601	7.4	103
179	Field Effect Studies on Rubrene and Impurities of Rubrene. <i>Chemistry of Materials</i> , 2006 , 18, 244-248	9.6	168
178	Diquino[3,4-b;4?,3?-e][1,4]dithiine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, o1333-o1335		
177	Diquino[4,3-b;3?,4?-e][1,4]thiaselenine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, o3203-o3205		
176	Dislocations and grain boundaries in semiconducting rubrene single-crystals. <i>Journal of Crystal Growth</i> , 2006 , 290, 479-484	1.6	59
175	Transferring self-assembled, nanoscale cables into electrical devices. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10700-1	16.4	198
174	Organic Semiconductor Designed for Lamination Transfer between Polymer Films. <i>Chemistry of Materials</i> , 2005 , 17, 5748-5753	9.6	24
173	Single-crystal field-effect transistors based on copper phthalocyanine. <i>Applied Physics Letters</i> , 2005 , 86, 022103	3.4	196
172	An organometallic synthesis of TiO ₂ nanoparticles. <i>Nano Letters</i> , 2005 , 5, 543-8	11.5	130
171	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
170	Self-Assembly and Electronics of Dipolar Linear Acenes. <i>Advanced Materials</i> , 2005 , 17, 407-412	24	108
169	X-ray structure of 14-phenyldiquino[3,4 b;4?,3?-e][1,4]thiazine(1). <i>Journal of Chemical Crystallography</i> , 2005 , 35, 731-736	0.5	7
168	Azanyl sulfides. LXXXI.(1)14-Phenyl-7-thiapyrano[2,3-c;6,5-c']diquinoline-14-carbonitrile. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005 , 61, o377-9		
167	Synthesis and Structure of Dipyrido-1,4-dithiins. <i>Heterocycles</i> , 2005 , 65, 2619	0.8	5
166	Bias-dependent generation and quenching of defects in pentacene. <i>Physical Review Letters</i> , 2004 , 93, 076601	7.4	118
165	Amorphouslike density of gap states in single-crystal pentacene. <i>Physical Review Letters</i> , 2004 , 93, 086802	9.24	186

164	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
163	Electronic characterization of alkali ruthenium hollandites: KRu ₄ O ₈ , RbRu ₄ O ₈ and Cs _{0.8} Li _{0.2} Ru ₄ O ₈ . <i>Materials Research Bulletin</i> , 2004 , 39, 1663-1670	5.1	17
162	Synthesis, crystal structure, and transistor performance of tetracene derivatives. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15322-3	16.4	335
161	Crystal Structure and Properties of Ba ₁₁ FeTi ₂₇ O _{66.5} . <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 2434-2441	2.3	4
160	Metalorganic chemical vapor deposition and characterizations of epitaxial Mg _x Zn _{1-x} O (0 ≤ x ≤ 0.33) films on r-sapphire substrates. <i>Journal of Crystal Growth</i> , 2004 , 261, 316-323	1.6	18
159	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
158	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
157	Structure and Transport Properties of the Charge-Transfer Salt Coronene ⁺ CNQ. <i>Chemistry of Materials</i> , 2004 , 16, 5751-5755	9.6	65
156	Mesophase Transitions, Surface Functionalization, and Growth Mechanism of Semiconducting 6PTTP6 Films from Solution. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 8567-8571	3.4	27
155	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
154	Subsolidus phase equilibria and crystal chemistry in the system BaO ⁺ iO ₂ ⁺ La ₂ O ₅ . <i>Solid State Sciences</i> , 2003 , 5, 149-164	3.4	24
153	Combining Magnets and Dielectrics: Crystal Chemistry in the BaO ⁺ Be ₂ O ₃ ⁺ iO ₂ System. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 1483-1501	2.3	31
152	Tetramethylpentacene: Remarkable Absence of Steric Effect on Field Effect Mobility. <i>Advanced Materials</i> , 2003 , 15, 1090-1093	24	201
151	Re ₄ As ₆ S ₃ , a thio-spinel-related cluster system. <i>Journal of Solid State Chemistry</i> , 2003 , 172, 446-450	3.3	7
150	Composition-dependent crystallization of alternative gate dielectrics. <i>Applied Physics Letters</i> , 2003 , 83, 1459-1461	3.4	20
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