

Kenneth Poepelmeier

List of Publications by Year in descending order

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323
papers

22,138
citations

11651

70
h-index

10445

139
g-index

339
all docs

339
docs citations

339
times ranked

14443
citing authors

#	ARTICLE	IF	CITATIONS
1	Noncentrosymmetric Oxides. <i>Chemistry of Materials</i> , 1998, 10, 2753-2769.	6.7	1,105
2	B-cation arrangements in double perovskites. <i>Progress in Solid State Chemistry</i> , 1993, 22, 197-233.	7.2	949
3	Finding the Next Deep-Ultraviolet Nonlinear Optical Material: $\text{NH}_4\text{B}_4\text{O}_6\text{F}$. <i>Journal of the American Chemical Society</i> , 2017, 139, 10645-10648.	13.7	889
4	$\text{K}_3\text{B}_6\text{O}_{10}\text{Cl}$: A New Structure Analogous to Perovskite with a Large Second Harmonic Generation Response and Deep UV Absorption Edge. <i>Journal of the American Chemical Society</i> , 2011, 133, 7786-7790.	13.7	617
5	Expanding frontiers in materials chemistry and physics with multiple anions. <i>Nature Communications</i> , 2018, 9, 772.	12.8	612
6	Designing a Deep-Ultraviolet Nonlinear Optical Material with a Large Second Harmonic Generation Response. <i>Journal of the American Chemical Society</i> , 2013, 135, 4215-4218.	13.7	542
7	Borates: A Rich Source for Optical Materials. <i>Chemical Reviews</i> , 2021, 121, 1130-1202.	47.7	534
8	Deep Ultraviolet Nonlinear Optical Materials. <i>Chemistry of Materials</i> , 2016, 28, 5238-5258.	6.7	481
9	Alignment of acentric MoO_3F_3 anions in a polar material: $(\text{Ag}_3\text{MoO}_3\text{F}_3)(\text{Ag}_3\text{MoO}_4)\text{Cl}$. <i>Journal of Solid State Chemistry</i> , 2003, 175, 27-33.	2.9	391
10	Designing an Excellent Deep-Ultraviolet Birefringent Material for Light Polarization. <i>Journal of the American Chemical Society</i> , 2018, 140, 16311-16319.	13.7	350
11	Prediction and accelerated laboratory discovery of previously unknown 18-electron ABX compounds. <i>Nature Chemistry</i> , 2015, 7, 308-316.	13.6	349
12	The structure and chemistry of the TiO_2 -rich surface of SrTiO_3 (001). <i>Nature</i> , 2002, 419, 55-58.	27.8	342
13	Chemistry-Inspired Adaptable Framework Structures. <i>Accounts of Chemical Research</i> , 2017, 50, 1222-1230.	15.6	316
14	Chemical Unit Cosubstitution and Tuning of Photoluminescence in the $\text{Ca}_2(\text{Al}_x\text{Mg}_{1-x})_2(\text{Al}_x\text{Si}_{1-x})_2\text{O}_7$ Phosphor. <i>Journal of the American Chemical Society</i> , 2015, 137, 12494-12497.	13.7	310
15	$\text{Cs}_3\text{Zn}_6\text{B}_9\text{O}_{21}$: A Chemically Benign Member of the KBBF Family Exhibiting the Largest Second Harmonic Generation Response. <i>Journal of the American Chemical Society</i> , 2014, 136, 1264-1267.	13.7	310
16	A New Deep-Ultraviolet Transparent Orthophosphate LiCs_2PO_4 with Large Second Harmonic Generation Response. <i>Journal of the American Chemical Society</i> , 2016, 138, 9101-9104.	13.7	307
17	Three-Dimensionally Ordered Macroporous $\text{Li}_4\text{Ti}_5\text{O}_{12}$: Effect of Wall Structure on Electrochemical Properties. <i>Chemistry of Materials</i> , 2006, 18, 482-489.	6.7	292
18	Upcycling Single-Use Polyethylene into High-Quality Liquid Products. <i>ACS Central Science</i> , 2019, 5, 1795-1803.	11.3	283

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19	Understanding the Role of Helical Chains in the Formation of Noncentrosymmetric Solids. <i>Journal of the American Chemical Society</i> , 2001, 123, 7742-7743.	13.7	274
20	Examining the Out-of-Center Distortion in the [NbOF ₅] ²⁻ Anion. <i>Inorganic Chemistry</i> , 2005, 44, 884-895.	4.0	257
21	Pb ₂ Ba ₃ (BO ₃) ₃ Cl: A Material with Large SHG Enhancement Activated by Pb-Chelated BO ₃ Groups. <i>Journal of the American Chemical Society</i> , 2015, 137, 9417-9422.	13.7	255
22	Direct optical band gap measurement in polycrystalline semiconductors: A critical look at the Tauc method. <i>Journal of Solid State Chemistry</i> , 2016, 240, 43-48.	2.9	252
23	Cs ₂ B ₄ SiO ₉ : A Deep-Ultraviolet Nonlinear Optical Crystal. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3406-3410.	13.8	249
24	Review of the Structure and Processing-Defect-Property Relationships of Potassium Titanyl Phosphate: A Strategy for Novel Thin-Film Photonic Devices. <i>Chemistry of Materials</i> , 1995, 7, 602-621.	6.7	242
25	Hydrothermal Synthesis of Delafossite-Type Oxides. <i>Chemistry of Materials</i> , 2006, 18, 7-20.	6.7	225
26	Synthesis, Crystal Structure, and Nonlinear Optical Properties of Li ₆ Cu ₄ O ₁₀ : A Congruently Melting Compound with Isolated [Cu ₄ O ₁₀] ⁶⁻ Units. <i>Journal of the American Chemical Society</i> , 2006, 128, 11631-11634.	13.7	219
27	Transparent Conducting Oxides in the ZnO-In ₂ O ₃ -SnO ₂ System. <i>Chemistry of Materials</i> , 2010, 22, 3569-3579.	6.7	198
28	Imaging the Atomic Surface Structures of CeO ₂ Nanoparticles. <i>Nano Letters</i> , 2014, 14, 191-196.	9.1	183
29	Pb ₁₇ O ₈ Cl ₁₈ : A Promising IR Nonlinear Optical Material with Large Laser Damage Threshold Synthesized in an Open System. <i>Journal of the American Chemical Society</i> , 2015, 137, 8360-8363.	13.7	181
30	Cation ⁺ Anion Interactions and Polar Structures in the Solid State. <i>Journal of the American Chemical Society</i> , 2007, 129, 13963-13969.	13.7	178
31	Phase Relationships and Physical Properties of Homologous Compounds in the Zinc Oxide-Indium Oxide System. <i>Journal of the American Ceramic Society</i> , 1998, 81, 1310-1316.	3.8	172
32	Tuning of Photoluminescence by Cation Nanosegregation in the (CaMg) _x (NaSc) _{1-x} Si ₂ O ₆ Solid Solution. <i>Journal of the American Chemical Society</i> , 2016, 138, 1158-1161.	13.7	167
33	Assisting the Effective Design of Polar Iodates with Early Transition-Metal Oxide Fluoride Anions. <i>Journal of the American Chemical Society</i> , 2018, 140, 8868-8876.	13.7	166
34	Structural similarities among oxygen-deficient perovskites. <i>Chemistry of Materials</i> , 1993, 5, 151-165.	6.7	164
35	CHEMISTRY: Enhanced: Better Living Through Nanopore Chemistry. <i>Science</i> , 2005, 309, 2008-2009.	12.6	161
36	Synthesis-Dependent First-Order Raman Scattering in SrTiO ₃ Nanocubes at Room Temperature. <i>Chemistry of Materials</i> , 2008, 20, 5628-5635.	6.7	159

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37	Na ₃ Ba ₂ (B ₃ O ₆) ₂ F: Next Generation of Deep-Ultraviolet Birefringent Materials. <i>Crystal Growth and Design</i> , 2015, 15, 523-529.	3.0	159
38	Controlled Growth of Platinum Nanoparticles on Strontium Titanate Nanocubes by Atomic Layer Deposition. <i>Small</i> , 2009, 5, 750-757.	10.0	158
39	Propane Oxidation over Pt/SrTiO ₃ Nanocuboids. <i>ACS Catalysis</i> , 2011, 1, 629-635.	11.2	153
40	Li substituent tuning of LED phosphors with enhanced efficiency, tunable photoluminescence, and improved thermal stability. <i>Science Advances</i> , 2019, 5, eaav0363.	10.3	153
41	Heteroanionic Materials by Design: Progress Toward Targeted Properties. <i>Advanced Materials</i> , 2019, 31, e1805295.	21.0	150
42	A homologous series of structures on the surface of SrTiO ₃ (110). <i>Nature Materials</i> , 2010, 9, 245-248.	27.5	145
43	Site-Selective Occupancy of Eu ²⁺ Toward Blue-Light-Excited Red Emission in a Rb ₃ YSi ₂ O ₇ :Eu Phosphor. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11521-11526.	13.8	136
44	Surface Structures of SrTiO ₃ (001): A TiO ₂ -rich Reconstruction with a c(4 Å × 2) Unit Cell. <i>Journal of the American Chemical Society</i> , 2003, 125, 10050-10056.	13.7	134
45	Manganese Oxides: Parallels between Abiotic and Biotic Structures. <i>Journal of the American Chemical Society</i> , 2006, 128, 11188-11198.	13.7	134
46	Module-Guided Design Scheme for Deep-Ultraviolet Nonlinear Optical Materials. <i>Journal of the American Chemical Society</i> , 2018, 140, 10726-10733.	13.7	127
47	Transport and Defect Mechanisms in Cuprous Delafossites. 1. Comparison of Hydrothermal and Standard Solid-State Synthesis in CuAlO ₂ . <i>Chemistry of Materials</i> , 2004, 16, 5616-5622.	6.7	126
48	Genesis and Evolution of Surface Species during Pt Atomic Layer Deposition on Oxide Supports Characterized by in Situ XAFS Analysis and Water Gas Shift Reaction. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9758-9771.	3.1	124
49	Out-of-Center Distortions in d ₀ Transition Metal Oxide Fluoride Anions. <i>Inorganic Chemistry</i> , 2002, 41, 5119-5125.	4.0	123
50	The Role of Polar, Lambda (λ)-Shaped Building Units in Noncentrosymmetric Inorganic Structures. <i>Journal of the American Chemical Society</i> , 2012, 134, 7679-7689.	13.7	123
51	Lanthanum copper tin oxide (La ₂ CuSnO ₆): a new perovskite-related compound with an unusual arrangement of B cations. <i>Chemistry of Materials</i> , 1991, 3, 476-482.	6.7	122
52	Strong Nonlinearity Induced by Coaxial Alignment of Polar Chain and Dense [BO ₃] Units in CaZn ₂ (BO ₃) ₂ . <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	116
53	Oriented Catalytic Platinum Nanoparticles on High Surface Area Strontium Titanate Nanocuboids. <i>Nano Letters</i> , 2011, 11, 993-997.	9.1	109
54	Transport and Defect Mechanisms in Cuprous Delafossites. 2. CuScO ₂ and CuYO ₂ . <i>Chemistry of Materials</i> , 2004, 16, 5623-5629.	6.7	100

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55	Expanding the chemistry of borates with functional [BO ₂] ⁻ anions. <i>Nature Communications</i> , 2021, 12, 2597.	12.8	99
56	Adhesion and Atomic Structures of Gold on Ceria Nanostructures: The Role of Surface Structure and Oxidation State of Ceria Supports. <i>Nano Letters</i> , 2015, 15, 5375-5381.	9.1	98
57	Composition Space Diagrams for Mixed Transition Metal Oxide Fluorides. <i>Inorganic Chemistry</i> , 1998, 37, 6495-6501.	4.0	97
58	A congruently melting and deep UV nonlinear optical material: Li ₃ Cs ₂ B ₅ O ₁₀ . <i>Journal of Materials Chemistry</i> , 2011, 21, 2890.	6.7	95
59	Nonlinear Active Materials: An Illustration of Controllable Phase Matchability. <i>Journal of the American Chemical Society</i> , 2013, 135, 11942-11950.	13.7	89
60	Silver Delafossite Oxides. <i>Inorganic Chemistry</i> , 2008, 47, 2696-2705.	4.0	87
61	Composition Space of the (CuO, 1/2Nb ₂ O ₅)/(HF)·x-pyridine/H ₂ O System. Structure and Synthesis of [pyH ⁺] ₂ [CuNb ₂ (py) ₄ O ₂ F ₁₀] ₂ - and CuNb(py) ₄ O ₂ F ₅ . <i>Inorganic Chemistry</i> , 1996, 35, 1367-1371.	4.0	85
62	Pd-substituted (La,Sr)CrO ₃ ·xH ₂ O solid oxide fuel cell anodes exhibiting regenerative behavior. <i>Journal of Power Sources</i> , 2011, 196, 3089-3094.	7.8	85
63	Crystal growth and optical properties of a noncentrosymmetric haloid borate, K ₃ B ₆ O ₁₀ Br. <i>CrystEngComm</i> , 2011, 13, 2899.	2.6	82
64	Fe-substituted SrTiO ₃ ·xH ₂ O composite anodes for solid oxide fuel cells. <i>Energy and Environmental Science</i> , 2013, 6, 1850.	30.8	82
65	[pyH ⁺] ₂ [Cu(py) ₄ (MX ₆) ₂] (MX ₆ = ZrF ₆ ²⁻ , NbOF ₅ ²⁻ , MoO ₂ F ₄ ²⁻ ; py = Pyridine): A Rarely Observed Ordering of Metal Oxide Fluoride Anions. <i>Inorganic Chemistry</i> , 1998, 37, 76-80.	4.0	81
66	Ag ₄ V ₂ O ₆ F ₂ : An Electrochemically Active and High Silver Density Phase. <i>Journal of the American Chemical Society</i> , 2005, 127, 6347-6352.	13.7	80
67	Transparent Conducting Oxides: A Texture and Microstructure Effects on Charge Carrier Mobility in MOCVD-Derived CdO Thin Films Grown with A Thermally Stable, Low-Melting Precursor. <i>Journal of the American Chemical Society</i> , 2004, 126, 8477-8492.	13.7	78
68	Growth and Properties of Single Crystals of Noncentrosymmetric Na ₃ VO ₂ B ₆ O ₁₁ . <i>Crystal Growth and Design</i> , 2010, 10, 252-256.	3.0	78
69	Room-Temperature Synthesis Leading to Nanocrystalline Ag ₂ V ₄ O ₁₁ . <i>Journal of the American Chemical Society</i> , 2010, 132, 6778-6782.	13.7	72
70	Reversible Magnesium Intercalation into a Layered Oxyfluoride Cathode. <i>Chemistry of Materials</i> , 2016, 28, 17-20.	6.7	70
71	Catalytic oxidative dehydrogenation of propane over Mg ²⁺ /Mo oxides. <i>Journal of Catalysis</i> , 2004, 223, 419-431.	6.2	69
72	The Structure-Directing Properties of [VOF ₅] ₂ -. <i>Inorganic Chemistry</i> , 2000, 39, 3946-3947.	4.0	68

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73	Oxidative dehydrogenation (ODH) of ethane with O ₂ as oxidant on selected transition metal-loaded zeolites. <i>Journal of Catalysis</i> , 2009, 265, 54-62.	6.2	68
74	The Polar [WO ₂ F ₄] ²⁻ Anion in the Solid State. <i>Inorganic Chemistry</i> , 1999, 38, 762-767.	4.0	64
75	Synthesis of Na-Stabilized Nonporous t-ZrO ₂ Supports and Pt/t-ZrO ₂ Catalysts and Application to Water-Gas-Shift Reaction. <i>ACS Catalysis</i> , 2013, 3, 61-73.	11.2	63
76	Site-Selective Occupancy of Eu ²⁺ Toward Blue-Light-Excited Red Emission in a Rb ₃ YSi ₂ O ₇ :Eu Phosphor. <i>Angewandte Chemie</i> , 2019, 131, 11645-11650.	2.0	63
77	From Linear Inorganic Chains to Helices: Chirality in the M(py _z)(H ₂ O) ₂ MoO ₂ F ₄ (M = Zn, Cd) Compounds. <i>Inorganic Chemistry</i> , 2002, 41, 4852-4858.	4.0	62
78	LiNa ₅ Mo ₉ O ₃₀ : Crystal Growth, Linear, and Nonlinear Optical Properties. <i>Chemistry of Materials</i> , 2016, 28, 4483-4491.	6.7	61
79	Building a Fast Lane for Mg Diffusion in \pm -MoO ₃ by Fluorine Doping. <i>Chemistry of Materials</i> , 2016, 28, 6900-6908.	6.7	60
80	Application of LaSr ₂ Fe ₂ CrO ₉ in Solid Oxide Fuel Cell Anodes. <i>Electrochemical and Solid-State Letters</i> , 2008, 11, B51.	2.2	59
81	Report from the third workshop on future directions of solid-state chemistry: The status of solid-state chemistry and its impact in the physical sciences. <i>Progress in Solid State Chemistry</i> , 2008, 36, 1-133.	7.2	58
82	Synthesis-Dependent Atomic Surface Structures of Oxide Nanoparticles. <i>Physical Review Letters</i> , 2013, 111, 156101.	7.8	58
83	TiO ₂ -rich reconstructions of SrTiO ₃ (001): a theoretical study of structural patterns. <i>Surface Science</i> , 2004, 573, 446-456.	1.9	56
84	Facile Synthesis of BiCuOS by Hydrothermal Methods. <i>Inorganic Chemistry</i> , 2007, 46, 10741-10748.	4.0	55
85	Pb ₃ B ₆ O ₁₁ F ₂ : the first non-centrosymmetric lead borate fluoride with a large second harmonic generation response. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1704.	5.5	55
86	Barium lanthanum copper tin oxide (Ba ₂ La ₂ Cu ₂ Sn ₂ O ₁₁): a new layered perovskite with a modulated structure. <i>Chemistry of Materials</i> , 1992, 4, 1305-1313.	6.7	53
87	A High-Yield Hydrothermal Preparation of CuAlO ₂ . <i>Inorganic Chemistry</i> , 2001, 40, 5734-5735.	4.0	51
88	The Adaptable Lyonsite Structure. <i>Chemistry - A European Journal</i> , 2006, 12, 5944-5953.	3.3	51
89	Subsolidus Phase Relationships in the ZnO-In ₂ O ₃ -SnO ₂ System. <i>Journal of the American Ceramic Society</i> , 2008, 91, 3683-3689.	3.8	51
90	Structural and Chemical Evolution of the SOFC Anode La _{0.30} Sr _{0.70} Fe _{0.70} Cr _{0.30} O ₃ upon Reduction and Oxidation: An in Situ Neutron Diffraction Study. <i>Chemistry of Materials</i> , 2010, 22, 3283-3289.	6.7	51

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91	Ag ₄ V ₂ O ₆ F ₂ (SVOF): A High Silver Density Phase and Potential New Cathode Material for Implantable Cardioverter Defibrillators. <i>Inorganic Chemistry</i> , 2008, 47, 8464-8472.	4.0	50
92	Hydrogen Oxidation Mechanisms on Perovskite Solid Oxide Fuel Cell Anodes. <i>Journal of the Electrochemical Society</i> , 2016, 163, F952-F961.	2.9	50
93	Synthesis and Characterization of MgCr ₂ S ₄ Thiospinel as a Potential Magnesium Cathode. <i>Inorganic Chemistry</i> , 2018, 57, 8634-8638.	4.0	50
94	La ₄ Cu ₃ MoO ₁₂ : A Novel Cuprate with Unusual Magnetism. <i>Journal of the American Chemical Society</i> , 1999, 121, 4787-4792.	13.7	49
95	Structure and cation distribution of new ternary vanadates FeMg ₂ V ₃ O ₁₁ and FeZn ₂ V ₃ O ₁₁ . <i>Journal of Alloys and Compounds</i> , 2000, 298, 119-124.	5.5	49
96	Metal-metal bonding in reduced scandium halides. Synthesis and crystal structure of scandium monochloride. <i>Inorganic Chemistry</i> , 1977, 16, 294-297.	4.0	48
97	The Ordered [WO ₂ F ₄] ₂ -Anion. <i>Inorganic Chemistry</i> , 2001, 40, 5479-5480.	4.0	48
98	Temperature Driven Reactant Solubilization Synthesis of BiCuOSe. <i>Inorganic Chemistry</i> , 2008, 47, 10009-10016.	4.0	48
99	Stable, Low Polarization Resistance Solid Oxide Fuel Cell Anodes: La _{1-x} Sr _x Cr _{1-x} Fe _x O _{3-δ} (x = 0.2-0.67). <i>Chemistry of Materials</i> , 2014, 26, 3113-3120.		48
100	Decreasing the Polarization Resistance of (La,Sr)CrO ₃ Solid Oxide Fuel Cell Anodes by Combined Fe and Ru Substitution. <i>Chemistry of Materials</i> , 2015, 27, 3683-3693.	6.7	48
101	A Deep-Ultraviolet Nonlinear Optical Crystal: Strontium Beryllium Borate Fluoride with Planar Be(O/F) ₃ Groups. <i>Chemistry of Materials</i> , 2016, 28, 4563-4571.	6.7	47
102	Electrical, Optical, and Structural Properties of Tin-Doped In ₂ O ₃ -M ₂ O ₃ Solid Solutions (M=Y, Sc). <i>Journal of Solid State Chemistry</i> , 2000, 153, 41-47.	2.9	46
103	Chemical Hardness and the Adaptive Coordination Behavior of the d ⁰ Transition Metal Oxide Fluoride Anions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 869-877.	1.2	46
104	Metal-metal bonded clusters in transition metal Groups 3 and 4. Synthesis and structure of three M ₆ X ₁₂ -type clusters for scandium and zirconium. <i>Journal of the American Chemical Society</i> , 1978, 100, 652-654.	13.7	45
105	Electrical and Optical Properties of Transparent Conducting Homologous Compounds in the Indium-Gallium-Zinc Oxide System. <i>Journal of the American Ceramic Society</i> , 1999, 82, 2705-2710.	3.8	45
106	The Fe ₃ O ₄ origin of the Biphase-reconstruction on \pm -Fe ₂ O ₃ (0001). <i>Surface Science</i> , 2009, 603, 2574-2579.	1.9	45
107	On the Origin of the Differences in Structure Directing Properties of Polar Metal Oxyfluoride [MO _x F _{6-x}] ²⁻ (x = 1, 2) Building Units. <i>Inorganic Chemistry</i> , 2015, 54, 1712-1719.	4.0	44
108	Syntheses and Structures of Two New Cu/Nb/pyrazine Complexes: Three dimensional CuNb(py ₂) ₂ O ₅ · 1/2 (py ₂)(H ₂ O) and two dimensional [Cu(py ₂) _{2.5}] ⁺ [NbF ₆] ⁻ · 1/2 (py ₂). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1996, 622, 479-485.	1.2	43

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109	Probing helix formation in chains of vertex-linked octahedra. <i>CrystEngComm</i> , 2004, 6, 451.	2.6	43
110	The $\text{Ag}_2\text{O}\cdot\text{V}_2\text{O}_5\cdot\text{HF}(\text{aq})$ System and Crystal Structure of $\text{I}\pm\text{-Ag}_3\text{VO}_4$. <i>Inorganic Chemistry</i> , 2007, 46, 1704-1708.	4.0	42
111	Oxidative dehydrogenation of ethane with oxygen catalyzed by $\text{K}\hat{\text{C}}\text{Y}$ zeolite supported first-row transition metals. <i>Applied Catalysis A: General</i> , 2010, 381, 114-120.	4.3	41
112	The $(2\text{Å}-2)$ reconstructions on the SrTiO_3 (001) surface: A combined scanning tunneling microscopy and density functional theory study. <i>Surface Science</i> , 2011, 605, L51-L55.	1.9	41
113	Metal-metal bonding in reduced scandium halides. Synthesis and characterization of heptascandium decachloride ($\text{Sc}_7\text{Cl}_{10}$). A novel metal-chain structure. <i>Inorganic Chemistry</i> , 1977, 16, 1107-1111.	4.0	40
114	Syntheses of Two Vanadium Oxide-Fluoride Materials That Differ in Phase Matchability. <i>Inorganic Chemistry</i> , 2015, 54, 765-772.	4.0	40
115	Structural study of A_2CuTiO_6 (AY , $\text{Tb}\hat{\text{C}}\text{Lu}$) compounds. <i>Solid State Sciences</i> , 2002, 4, 1495-1498.	3.2	39
116	High-Pressure Synthesis and Local Structure of Corundum-Type $\text{In}_2\hat{\text{C}}\text{Zn}_x\text{Sn}_x\text{O}_3$ ($x \hat{\text{C}} 0.7$). <i>Journal of the American Chemical Society</i> , 2010, 132, 16479-16487.	13.7	39
117	A chemical approach to understanding oxide surfaces. <i>Surface Science</i> , 2012, 606, 344-355.	1.9	39
118	Composition Space of the $(\text{CdO}, 0.5\text{Nb}_2\text{O}_5)/(\text{HF})\cdot\text{Pyridine}/\text{H}_2\text{O}$ System. Structure and Synthesis of $\text{CdNb}(\text{py})_4\text{OF}_5$. <i>Inorganic Chemistry</i> , 1998, 37, 369-371.	4.0	38
119	High-temperature ion transport in $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$?. <i>Journal of Solid State Electrochemistry</i> , 2004, 8, 578.	2.5	38
120	Synthesis-Dependent Surface Acidity and Structure of SrTiO_3 Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11056-11067.	3.1	38
121	SrTiO_3 Nanocuboids from a Lamellar Microemulsion. <i>Chemistry of Materials</i> , 2013, 25, 378-384.	6.7	38
122	Morphology and CO Oxidation Activity of Pd Nanoparticles on SrTiO_3 Nanopolyhedra. <i>ACS Catalysis</i> , 2018, 8, 4751-4760.	11.2	38
123	New Layered Oxide-Fluoride Perovskites: KNaNbOF_5 and KNaMO_2F_4 ($\text{M} = \text{Mo}^{6+}, \text{W}^{6+}$). <i>Crystals</i> , 2011, 1, 3-14.	2.2	37
124	Top-Seeded Solution Crystal Growth and Linear and Nonlinear Optical Properties of $\text{Ba}_4\text{B}_{11}\text{O}_{20}\text{F}$. <i>Crystal Growth and Design</i> , 2017, 17, 1404-1410.	3.0	37
125	Preparation of $\text{Y}\hat{\text{C}}\text{Ba}\hat{\text{C}}\text{Cu}\hat{\text{C}}\text{O}$ thin films on MgO by dc magnetron sputtering from a stoichiometric $\text{YBa}_2\text{Cu}_3\text{O}_7$ target. <i>Applied Physics Letters</i> , 1987, 51, 1194-1196.	3.3	36
126	BaClBF_4 : a new noncentrosymmetric pseudo-Aurivillius type material with transparency range from deep UV to middle IR and a high laser damage threshold. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4740.	5.5	36

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127	Cu(C ₁₀ H ₉ N ₃) ₂ MOF ₅ ·2H ₂ O (M = Nb, Ta): Aligned [MOF ₅] ₂ -Oxide Fluoride Anions. <i>Inorganic Chemistry</i> , 1999, 38, 3448-3449.	4.0	35
128	Disordering and Mixed Conductivity in the Solid Solution LaSr ₂ Fe _{3-y} CryO _{8+1/2} . <i>Chemistry of Materials</i> , 2004, 16, 5014-5020.	6.7	35
129	Synthesis, crystal structure, and nonlinear optical properties of Bi ₂ Cu ₅ B ₄ O ₁₄ . <i>Journal of Solid State Chemistry</i> , 2008, 181, 2087-2091.	2.9	35
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149

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