

# Yoshitaka Matsushita

## List of Publications by Year in descending order

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281  
papers

7,790  
citations

61945

43  
h-index

76872

74  
g-index

323  
all docs

323  
docs citations

323  
times ranked

8934  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reentrant structural and optical properties of organic-inorganic hybrid metal cluster compound $(\text{C}_4\text{H}_9\text{N})_2[\text{Mo}_6\text{Br}_8\text{Br}_2\text{a}]$ . <i>CrystEngComm</i> , 2022, 24, 465-470.		
2	Magnetic refrigeration material operating at a full temperature range required for hydrogen liquefaction. <i>Nature Communications</i> , 2022, 13, 1817.	5.8	64
3	Reaction between environmental barrier coatings material $\text{Er}_2\text{Si}_2\text{O}_7$ and a calcia-magnesia-alumina-silica melt. <i>Ceramics International</i> , 2022, 48, 17369-17375.	2.3	13
4	Photosensitizer Encryption with Aggregation Enhanced Singlet Oxygen Production. <i>Journal of the American Chemical Society</i> , 2022, 144, 10830-10843.	6.6	19
5	Magnetic and Magnetostrictive Behaviors of Laves-Phase Rare-Earth Transition-Metal Compounds $\text{Tb}_{1-x}\text{Dy}_x\text{Co}_{1.95}$ . <i>Materials</i> , 2022, 15, 3884.	1.3	0
6	Impact of bismuth-doping on enhanced radiative recombination in lead-free double-perovskite nanocrystals. <i>Nanoscale Advances</i> , 2022, 4, 3091-3100.	2.2	4
7	Fullerene $\text{C}_{70}$ /porphyrin hybrid nanoarchitectures: single-cocrystal nanoribbons with ambipolar charge transport properties. <i>RSC Advances</i> , 2022, 12, 19548-19553.	1.7	2
8	Nanoarchitectonics of $\text{C}_{70}$ hexagonal nanosheets: Synthesis and charge transport properties. <i>Diamond and Related Materials</i> , 2022, 128, 109217.	1.8	6
9	In situ and ex situ studies on thermal decomposition process of hydromagnesite $\text{Mg}_5(\text{CO}_3)_4(\text{OH})_2 \cdot 4\text{H}_2\text{O}$ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 599-609.	2.0	6
10	Two-Step Divergent Synthesis of Monodisperse and Ultra-Long Bottlebrush Polymers from an Easily Purifiable ROMP Monomer. <i>Angewandte Chemie</i> , 2021, 133, 1552-1558.	1.6	1
11	Lattice engineering by Sr-substitution leads to high piezoelectric performance of $(\text{Sr}_x\text{Ca}_{1-x})_3\text{TaAl}_3\text{Si}_2\text{O}_{14}$ single crystals. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156860.	2.8	3
12	Two-Step Divergent Synthesis of Monodisperse and Ultra-Long Bottlebrush Polymers from an Easily Purifiable ROMP Monomer. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1528-1534.	7.2	17
13	High-temperature corrosion of spark plasma sintered $\text{Gd}_2\text{SiO}_5$ with volcanic ash for environmental barrier coatings. <i>Journal of the European Ceramic Society</i> , 2021, 41, 3161-3166.	2.8	11
14	Amino-Functionalization of Vinyl-Substituted Aromatic Diimides by Quantitative and Catalyst-Free Hydroamination**. <i>Chemistry - A European Journal</i> , 2021, 27, 934-938.	1.7	4
15	Revisiting properties of edge-bridged bromide tantalum clusters in the solid-state, in solution and vice versa: an intertwined experimental and modelling approach. <i>Dalton Transactions</i> , 2021, 50, 8002-8016.	1.6	11
16	A plethora of structural transitions, distortions and modulations in Cu-doped $\text{BiMn}_7\text{O}_{12}$ quadruple perovskites. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10232-10242.	2.7	2
17	Free-standing membranes from the chemical exfoliation of mesoporous amorphous titania thin film. <i>Chemical Communications</i> , 2021, 57, 7513-7516.	2.2	2
18	Long-Range Order in Supramolecular Assemblies in Discrete Multidecker Naphthalenediimides. <i>Journal of the American Chemical Society</i> , 2021, 143, 3238-3244.	6.6	19

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19	Structural and electronic properties of the metal cluster-based compounds including high concentration of solvent molecules. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 751-758.	0.6	3
20	Pyrazinacenes exhibit on-surface oxidation-state-dependent conformational and self-assembly behaviours. <i>Communications Chemistry</i> , 2021, 4, .	2.0	12
21	Flux Crystal Growth, Crystal Structure, and Magnetic Properties of a Ternary Chromium Disulfide $\text{Ba}_9\text{Cr}_4\text{S}_{19}$ with Unusual $\text{Cr}_4\text{S}_{15}$ Tetramer Units. <i>ACS Omega</i> , 2021, 6, 6842-6847.	1.6	0
22	Field-induced successive phase transitions in the buckled honeycomb antiferromagnet $\text{CsJ}_3$ . <i>Physical Review B</i> , 2021, 103, .	1.1	5
23	Accuracy of Cluster Model Calculations for Quasicrystal Surface. <i>Materials Transactions</i> , 2021, 62, 350-355.	0.4	2
24	Corrosion behavior of calcium-magnesium-aluminosilicate (CMAS) on sintered $\text{Gd}_2\text{SiO}_5$ for environmental barrier coatings. <i>Journal of the American Ceramic Society</i> , 2021, 104, 3119-3129.	1.9	12
25	Enhancement of singlet oxygen generation based on incorporation of oxoporphyrinogen (OxP) into microporous solids. <i>Materials Today Chemistry</i> , 2021, 21, 100534.	1.7	8
26	Fabrication and Evaluation of Low-Cost $\text{CrSi}_2$ Thermoelectric Legs. <i>Crystals</i> , 2021, 11, 1140.	1.0	4
27	Reduction of hysteresis in $(\text{La}_{1-x}\text{Ce}_x)(\text{Mn}_{1-x}\text{Fe}_x)\text{Si}_{1.6}$ magnetocaloric compounds for cryogenic magnetic refrigeration. <i>Acta Materialia</i> , 2021, 220, 117286.	3.8	24
28	Structural Transition with a Sharp Change in the Electrical Resistivity and Spin-Orbit Mott Insulating State in a Rhenium Oxide, $\text{Sr}_3\text{Re}_2\text{O}_9$ . <i>Inorganic Chemistry</i> , 2021, 60, 507-514.	1.9	4
29	$\text{La}_3\text{Ga}_3\text{Ge}_2\text{S}_3\text{O}_{10}$ : An Ultraviolet Nonlinear Optical Oxysulfide Designed by Anion-Directed Band Gap Engineering. <i>Angewandte Chemie</i> , 2021, 133, 26765-26769.	1.6	13
30	$\text{La}_3\text{Ga}_3\text{Ge}_2\text{S}_3\text{O}_{10}$ : An Ultraviolet Nonlinear Optical Oxysulfide Designed by Anion-Directed Band Gap Engineering. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26561-26565.	7.2	37
31	Titelbild: Two-Step Divergent Synthesis of Monodisperse and Ultra-Long Bottlebrush Polymers from an Easily Purifiable ROMP Monomer ( <i>Angew. Chem.</i> 3/2021). <i>Angewandte Chemie</i> , 2021, 133, 1049-1049.	1.6	0
32	Redetermination of the crystal structure of $\text{RhPb}_2$ from single-crystal X-ray diffraction data, revealing a rhodium deficiency. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 1327-1329.	0.2	3
33	Experimental and theoretical investigation of crystal structure of formamidinium-copper-iodide single crystals grown from aqueous solution. <i>Journal of Solid State Chemistry</i> , 2021, 306, 122778.	1.4	2
34	Domain structure and lattice effects in a severely plastically deformed $\text{CoCrFeMnNi}$ high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2020, 812, 152028.	2.8	18
35	A-site-ordered quadruple perovskite manganite $\text{CeMn}_7\text{O}_{12}$ with trivalent cations. <i>Journal of Solid State Chemistry</i> , 2020, 283, 121161.	1.4	8
36	One-Dimensional Fullerene/Porphyrin Cocrystals: Near-Infrared Light Sensing through Component Interactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 2878-2883.	4.0	21

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37	Molecular Engineering of $\beta$ -Substituted Oxoporphyrinogens for Hydrogen-Bond Donor Catalysis. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 82-90.	1.2	12
38	Growth of germanium monosulfide (GeS) single crystal by vapor transport from molten GeS source using a two-zone horizontal furnace. <i>Journal of Crystal Growth</i> , 2020, 547, 125813.	0.7	4
39	Carbon deposition-resistant Ni <sub>3</sub> Sn nanoparticles with highly stable catalytic activity for methanol decomposition. <i>Applied Catalysis A: General</i> , 2020, 608, 117872.	2.2	3
40	Bosoite, a new silica clathrate mineral from Chiba Prefecture, Japan. <i>Mineralogical Magazine</i> , 2020, 84, 941-948.	0.6	4
41	Na Doping in PbTe: Solubility, Band Convergence, Phase Boundary Mapping, and Thermoelectric Properties. <i>Journal of the American Chemical Society</i> , 2020, 142, 15464-15475.	6.6	101
42	Langbeinite Phosphates K <sub>2</sub> Pb <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> (M = Cr, Fe): Synthesis, Structure, Thermal Expansion, and Magnetic Properties Investigation. <i>Inorganic Chemistry</i> , 2020, 59, 13245-13253.	1.9	13
43	Crystal structure and metallization mechanism of the $\delta$ -radical metal TED. <i>Chemical Science</i> , 2020, 11, 11699-11704.	3.7	15
44	Magnetically driven loss of centrosymmetry in metallic $\text{Pb}_{12}\text{Mn}_{12}$ . <i>Physical Review B</i> , 2020, 102, .		
45	Elastoresistance measurements on $\text{CaKFe}_4$ and $\text{KCa}_2$ . <i>Physical Review B</i> , 2020, 102, .	1.1	14
46	Magnetically induced metal-insulator transition in $\text{Pb}_{12}\text{Mn}_{12}$ . <i>Physical Review B</i> , 2020, 102, .		
47	$\text{TC}_{12}\text{C}$ ferrimagnetic oxide $\text{Sr}_2\text{O}_6$ . <i>Physical Review B</i> , 2020, 102, .	1.1	13
48	Real spin and pseudospin topologies in the noncentrosymmetric topological nodal-line semimetal CaAgAs. <i>Physical Review B</i> , 2020, 101, .	1.1	11
49	Original Synthesis of Molybdenum Nitrides Using Metal Cluster Compounds as Precursors: Applications in Heterogeneous Catalysis. <i>Chemistry of Materials</i> , 2020, 32, 6026-6034.	3.2	11
50	Conversion Reaction in the Binder-Free Anode for Fast-Charging Li-Ion Batteries Based on WO <sub>3</sub> Nanorods. <i>ACS Applied Energy Materials</i> , 2020, 3, 6700-6708.	2.5	20
51	High-Pressure Synthesis, Crystal Structures, and Properties of A-Site Columnar-Ordered Quadruple Perovskites NaRMn <sub>2</sub> Ti <sub>4</sub> O <sub>12</sub> with R = Sm, Eu, Gd, Dy, Ho, Y. <i>Inorganic Chemistry</i> , 2020, 59, 9065-9076.	1.9	10
52	Bulk superconductivity in RuGd-1212 single crystals. <i>Japanese Journal of Applied Physics</i> , 2020, 59, 073002.	0.8	2
53	Nanomolecular singlet oxygen photosensitizers based on hemiquinonoid-resorcinarenes, the fuchsonarenes. <i>Chemical Science</i> , 2020, 11, 2614-2620.	3.7	7
54	Flux Crystal Growth, Crystal Structure, and Optical Properties of New Germanate Garnet Ce <sub>2</sub> CaMg <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> . <i>Frontiers in Chemistry</i> , 2020, 8, 91.	1.8	1

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55	Study of Polycrystalline Bulk Sr <sub>3</sub> O <sub>5</sub> O <sub>6</sub> Double-Perovskite Insulator: Comparison with 1000 K Ferromagnetic Epitaxial Films. <i>Inorganic Chemistry</i> , 2020, 59, 4049-4057.	1.9	9
56	Topochemical anion insertion into one-dimensional Bi channels in Bi <sub>2</sub> PdO <sub>4</sub> . <i>Journal of Solid State Chemistry</i> , 2020, 286, 121273.	1.4	5
57	Structural Change and Morphological Surface Degradation upon Electrochemical Li Extraction from a Single Crystal of Spinel-type LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> . <i>Crystal Growth and Design</i> , 2020, 20, 4533-4539.	1.4	7
58	From antiferromagnetism to high- $T_c$ weak ferromagnetism manipulated by atomic rearrangement in Ba <sub>3</sub> O <sub>3</sub> . <i>Physical Review Materials</i> , 2020, 4, .	0.9	2
59	Post-Deposition Vapor Annealing Enables Fabrication of 1-cm <sup>2</sup> Lead-Free Perovskite Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1900245.	3.1	23
60	Knock-on synthesis of tritopic calix[4]pyrrole host for enhanced anion interactions. <i>Dalton Transactions</i> , 2019, 48, 15583-15596.	1.6	12
61	Formation of an Intermediate Valence Icosahedral Quasicrystal in the Au-Sn-Yb System. <i>Inorganic Chemistry</i> , 2019, 58, 9181-9186.	1.9	11
62	A strategy of designing high-entropy alloys with high-temperature shape memory effect. <i>Scientific Reports</i> , 2019, 9, 13140.	1.6	38
63	Comparison between microwave-cooking and steam-cooking on starch properties and in vitro starch digestibility of cooked pigmented rice. <i>Journal of Food Process Engineering</i> , 2019, 42, e13150.	1.5	16
64	Effect of temperature on the crystal structure of BaSi <sub>2</sub> . <i>Physica B: Condensed Matter</i> , 2019, 572, 302-307.	1.3	4
65	Characterization of Ni <sub>3</sub> Sn intermetallic nanoparticles fabricated by thermal plasma process and catalytic properties for methanol decomposition. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 622-631.	2.8	13
66	Thermal Expansion and Magnetostriction of Laves-Phase Alloys: Fingerprints of Ferrimagnetic Phase Transitions. <i>Materials</i> , 2019, 12, 1755.	1.3	2
67	Influence of Slight Substitution (Mn/In) on Thermoelectric and Magnetic Properties in Chalcopyrite-Type CuInTe <sub>2</sub> . <i>Journal of Electronic Materials</i> , 2019, 48, 4524-4532.	1.0	7
68	Synthesis of InSn alloy superconductor below room temperature. <i>Physica C: Superconductivity and Its Applications</i> , 2019, 563, 33-35.	0.6	4
69	Crystal structures of cation non-stoichiometric RMn <sub>3</sub> O <sub>6</sub> (R = Gd, Er, and Tm) manganites belonging to A-site columnar-ordered quadruple perovskite family. <i>Journal of Solid State Chemistry</i> , 2019, 275, 43-48.	1.4	5
70	Accurate determination of the Fermi surface of tetragonal FeS via quantum oscillation measurements and quasiparticle self-consistent GW calculations. <i>Physical Review B</i> , 2019, 99, .	1.1	3
71	Synthesis and Atomic Structure of the Yb-Ga-Au 1/1 Quasicrystal Approximant. <i>Inorganic Chemistry</i> , 2019, 58, 6320-6327.	1.9	5
72	Synthesis and structure of rutheno-cuprate (RE, Ce) <sub>2</sub> Sr <sub>2</sub> RuCu <sub>2</sub> O <sub>10</sub> (RE = Gd, Eu) single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2019, 562, 25-31.	0.6	4

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73	Difference in magnetic and ferroelectric properties between rhombohedral and hexagonal polytypes of $\text{AgFeO}_2$ : A single-crystal study. <i>Physical Review B</i> , 2019, 99, .	1.1	6
74	High-pressure synthesis, crystal structure, and magnetic properties of hexagonal $\text{Ba}_3\text{CuOs}_2\text{O}_9$ . <i>Journal of Solid State Chemistry</i> , 2019, 272, 182-188.	1.4	4
75	Multimodal switching of a redox-active macrocycle. <i>Nature Communications</i> , 2019, 10, 1007.	5.8	20
76	Crystal structure of discandium triruthenium tetrasilicide, $\text{Sc}_2\text{Ru}_3\text{Si}_4$ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2019, 234, 1199-1200.	0.1	1
77	Displacive structural phase transitions and the magnetic ground state of quadruple perovskite $\text{YMn}_7\text{O}_{12}$ . <i>Physical Review B</i> , 2019, 99, .	1.1	9
78	Metallic spin-liquid-like behavior of $\text{LiV}_2\text{O}_4$ . <i>Physical Review B</i> , 2019, 99, .	1.1	9
79	Reexamination of anti-site-disordered $\text{CaMn}_2\text{O}_6$ . <i>Physical Review Materials</i> , 2019, 3, .	0.9	16
80	Parboiling reduced the crystallinity and in vitro digestibility of non-waxy short grain rice. <i>Food Chemistry</i> , 2018, 257, 23-28.	4.2	50
81	Charge and orbital orders and structural instability in high-pressure quadruple perovskite $\text{CeCuMn}_6\text{O}_{12}$ . <i>Journal of Physics Condensed Matter</i> , 2018, 30, 074003.	0.7	2
82	Crystal structure and electronic properties of Sr-substituted barium disilicide $\text{Ba}_{1-x}\text{Sr}_x\text{Si}_2$ for solar cells: Computational and experimental studies. <i>Acta Materialia</i> , 2018, 148, 492-498.	3.8	8
83	A helically-twisted ladder based on 9,9-bifluorenylidene: synthesis, characterization, and carrier-transport properties. <i>Materials Chemistry Frontiers</i> , 2018, 2, 780-784.	3.2	26
84	Reexamination of the crystal structure of semseyite, $\text{Pb}_9\text{Sb}_8\text{S}_{21}$ . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018, 233, 279-284.	0.4	2
85	High-Pressure Synthesis, Structures, and Properties of Trivalent A-Site-Ordered Quadruple Perovskites $\text{RMn}_7\text{O}_{12}$ (R = Sm, Eu, Gd, and Tb). <i>Inorganic Chemistry</i> , 2018, 57, 5987-5998.	1.9	20
86	The role of W on the thermal stability of nanocrystalline $\text{NiTiW}_x$ thin films. <i>Acta Materialia</i> , 2018, 142, 181-192.	3.8	22
87	Influence of postharvest drying conditions on resistant starch content and quality of non-waxy long-grain rice ( <i>Oryza sativa</i> L.). <i>Drying Technology</i> , 2018, 36, 952-964.	1.7	21
88	Preparation and some properties of $\text{Mg}_2\text{Si}_0.53\text{Ge}_0.47$ single crystal and $\text{Mg}_2\text{Si}_0.53\text{Ge}_0.47$ pn-junction diode. <i>AIP Advances</i> , 2018, 8, .	0.6	8
89	Onboard experiment investigating metal leaching of fresh hydrothermal sulfide cores into seawater. <i>Geochemical Transactions</i> , 2018, 19, 15.	1.8	15
90	Synthesis and structural characterization of a superconducting $\text{GdSr}_2\text{RuCu}_2\text{O}_{8-x}$ single crystal grown by partial melting. <i>Applied Physics Express</i> , 2018, 11, 113101.	1.1	5

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91	Antiferromagnetic order is possible in ternary quasicrystal approximants. <i>Physical Review B</i> , 2018, 98, .	1.1	38
92	Synthesis and Redox Behavior of a Sheathed Cross-Conjugated Polythiophene. <i>Synlett</i> , 2018, 29, 2557-2561.	1.0	5
93	Two-dimensional cyano-bridged coordination polymer of $Mn(H_2O)_2[Ni(CN)_4]$ : structural analysis and proton conductivity measurements upon dehydration and rehydration. <i>CrystEngComm</i> , 2018, 20, 6713-6720.	1.3	26
94	Piezoelectric $Ca_3TaAl_3Si_2O_{14}$ (CTAS): High quality 2-in. single-crystal growth and electro-elastic properties from room to high (650 °C) temperature. <i>Journal of Crystal Growth</i> , 2018, 501, 38-42.	0.7	6
95	High-Pressure Phase Relations and Crystal Structures of Postspinel Phases in $MgV_2O_4$ , $FeV_2O_4$ , and $MnCr_2O_4$ : Crystal Chemistry of $AB_2O_4$ Postspinel Compounds. <i>Inorganic Chemistry</i> , 2018, 57, 6648-6657.	1.9	14
96	Intrinsic Triple Order in $A$ -site Columnar-Ordered Quadruple Perovskites: Proof of Concept. <i>ChemPhysChem</i> , 2018, 19, 2449-2452.	1.0	14
97	Mechanical Tuning of Through-Molecule Conductance in a Conjugated Calix[4]pyrrole. <i>ChemistrySelect</i> , 2018, 3, 6473-6478.	0.7	18
98	Growth and structural characterization of single crystals of the magnetic superconductor $Ru_{1-x}Sr_{2x}Gd_{1-x}Cu_2O_{8-y}$ ( $RuGd$ -1212) obtained by the partial melting technique. <i>Physica C: Superconductivity and Its Applications</i> , 2018, 548, 40-43.	0.6	7
99	High-Pressure Synthesis, Crystal Structure, and Semimetallic Properties of $HgPbO_3$ . <i>Inorganic Chemistry</i> , 2018, 57, 7601-7609.	1.9	1
100	Multiwalled Carbon Nanofibers and Nanocapsules Synthesized from Plant Oil via Atmospheric CVD Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 3543-3550.	0.9	4
101	Unusual Magnetic State with Dual Magnetic Excitations in the Single Crystal of $S = 1/2$ Kagome Lattice Antiferromagnet $CaCu_3(OH)_6Cl_2 \cdot 0.6H_2O$ . <i>Journal of the Physical Society of Japan</i> , 2017, 86, 033704.	0.7	30
102	Structural, Magnetic, and Superconducting Properties of Caged Compounds $R_2Os_2Zn_{20}$ ( $R = La, Ce, Pr, \text{ and } Nd$ ). <i>Journal of the Physical Society of Japan</i> , 2017, 86, 034707.	0.7	22
103	Five-Fold Ordering in High-Pressure Perovskites $RMn_3O_6$ ( $R = Gd, Tm, \text{ and } Y$ ). <i>Inorganic Chemistry</i> , 2017, 56, 5210-5218.	1.9	29
104	Structural study of quasi-one-dimensional vanadium pyroxene $LiVSi_2O_6$ single crystals. <i>Journal of Solid State Chemistry</i> , 2017, 246, 125-129.	1.4	3
105	The effect of a highly twisted $C=C$ double bond on the electronic structures of 9,9-bifluorenylidene derivatives in the ground and excited states. <i>Organic Chemistry Frontiers</i> , 2017, 4, 650-657.	2.3	26
106	Control over differentiation of a metastable supramolecular assembly in one and two dimensions. <i>Nature Chemistry</i> , 2017, 9, 493-499.	6.6	408
107	Spectroscopic Investigations on New Organic NLO crystal "2-amino-5-chloropyridinium-2,4-dinitrophenolate". <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 232, 105-126.	1.4	4
108	Complex Structural Behavior of $BiMn_7O_{12}$ Quadruple Perovskite. <i>Inorganic Chemistry</i> , 2017, 56, 12272-12281.	1.9	23

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109	Electrically insulating properties of the 5d double perovskite Sr <sub>2</sub> YO <sub>6</sub> . Journal of Applied Physics, 2017, 122, 103905.	1.1	0
110	Reentrant Structural Transitions and Collapse of Charge and Orbital Orders in Quadruple Perovskites. Angewandte Chemie - International Edition, 2017, 56, 10423-10427.	7.2	22
111	Large negative magnetoresistance of a nearly Dirac material: Layered antimonide $\text{EuMnSb}_2$ . Physical Review B, 2017, 96, .	1.1	50
112	Heavy fermion behavior in the quasi-one-dimensional Kondo lattice CeCo <sub>2</sub> Ga <sub>8</sub> . Npj Quantum Materials, 2017, 2, .	1.8	27
113	Superconductivity in noncentrosymmetric $\text{Ag}_2\text{P}_2\text{O}_7$ . Physical Review B, 2017, 96, .	1.1	8
114	Corrosion behavior of volcanic ash on sintered mullite for environmental barrier coatings. Ceramics International, 2017, 43, 1880-1886.	2.3	14
115	Origin of zero and negative thermal expansion in severely-deformed superelastic NiTi alloy. Acta Materialia, 2017, 124, 79-92.	3.8	94
116	Carrier generation and electronic properties of a single-component pure organic metal. Nature Materials, 2017, 16, 109-114.	13.3	60
117	Transport properties of single-component organic conductors, TED derivatives. Molecular Systems Design and Engineering, 2017, 2, 653-658.	1.7	2
118	Resistivity and piezoelectric properties of Ca <sub>3</sub> TaGa <sub>1.5</sub> Al <sub>1.5</sub> Si <sub>2</sub> O <sub>14</sub> single crystals for high temperature sensors. RSC Advances, 2017, 7, 56697-56703.	1.7	3
119	Corrosion behavior of volcanic ash and calcium magnesium aluminosilicate on Yb <sub>2</sub> SiO <sub>5</sub> ; environmental barrier coatings. Journal of the Ceramic Society of Japan, 2017, 125, 326-332.	0.5	27
120	Unconventional Luminescent Centers in Metastable Phases Created by Topochemical Reduction Reactions. Angewandte Chemie, 2016, 128, 5051-5055.	1.6	6
121	Ferrocene-Substituted Naphthalenediimide with Broad Absorption and Electron Transport Properties in the Segregated Stack Structure. Chemistry - A European Journal, 2016, 22, 7385-7388.	1.7	14
122	Temperature dependence of electrical resistivity, dielectric and piezoelectric properties of Ca <sub>3</sub> TaGa <sub>3-x</sub> Al <sub>x</sub> Si <sub>2</sub> O <sub>14</sub> single crystals as a function of Al content. Journal of Alloys and Compounds, 2016, 687, 797-803.	2.8	12
123	$\text{Ba}_2\text{NiO}_6$ : A Dirac Mott Insulator with ferromagnetism near 100 K. Physical Review B, 2016, 94, .		55
124	Crystallographic features related to a van der Waals coupling in the layered chalcogenide FePS <sub>3</sub> . Journal of Applied Physics, 2016, 120, .	1.1	41
125	Effect of cation doping on ionic conductivity and crystal structure of oxyapatite-type lanthanum silicates. Solid State Ionics, 2016, 289, 106-112.	1.3	5
126	Growth and optical properties of (Y <sub>1-x</sub> Gd <sub>x</sub> ) <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce single crystal phosphors for high-brightness neutral white LEDs and LDs. CrystEngComm, 2016, 18, 4799-4806.	1.3	33



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127	Spin-Driven Multiferroic Properties of $\text{PbMnO}_{12}$ Perovskite. Inorganic Chemistry, 2016, 55, 6169-6177.	1.9	18
128	Safe $\text{P}_4$ reagent in a reusable porous coordination network. Dalton Transactions, 2016, 45, 6357-6360.	1.6	25
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