Tao Yang

List of Publications by Year
in descending order

121 papers	2,329 citations	236925 25 h-index	276875 41 g-index
125 all docs	125 docs citations	125 times ranked	2476 citing authors

#	Article	IF	Citations
1	Fe doped aluminoborate PKU-1 catalysts for the ketalization of glycerol to solketal: Unveiling the effects of iron composition and boron. Chinese Chemical Letters, 2022, 33, 1346-1352.	9.0	6
2	Ce3+ sensitized Tb3+ and Dy3+ photoluminescence in Î²-LaB5O9 prepared by solâ€“gel method. Journal of Rare Earths, 2022, 40, 1181-1186.	4.8	3
3	Eu3+ and Tb3+ doped LiCaY5(BO3)6: Efficient red and green phosphors under UV or NUV excitations. Journal of Luminescence, 2022, 242, 118598.	3.1	6
4	La1-Eu B4O6(OH)2Cl (0 â‰¤ x â‰¤ 0.54): Strong 4f-4f excitations due to the noncentrosymmetric and oxychloride coordination of Eu3+. Journal of Solid State Chemistry, 2021, 293, 121775.	2.9	3
5	Identification of key oxidative intermediates and the function of chromium dopants in PKU-8: catalytic dehydrogenation of sec-alcohols with tert-butylhydroperoxide. Catalysis Science and Technology, 2021, 11, 1365-1374.	4.1	2
6	PKU-2: An intrinsically microporous aluminoborate with the potential in selective gas separation of CO2/CH4 and C2H2/C2H4. Microporous and Mesoporous Materials, 2021, 312, 110782.	4.4	1
7	d10 or d0? Theoretical and experimental comparison between rutile GeO2 and TiO2 for photocatalytic water splitting. Chemical Communications, 2021, 57, 536-539.	4.1	9
8	Complex crystal structure and photoluminescence of Bi³⁺-doped and Bi³⁺/Eu³⁺ co-doped Ca₇Mg₂Ga₆O₁₈. Dalton Transactions, 2021, 50, 6848-6856.	3.3	13
9	Rationalize the Significantly Enhanced Photocatalytic Efficiency of In³⁺-doped Î±â€²-Ga₂S₃ by Bond Theory and Local Structural Distortion. Journal of Physical Chemistry Letters, 2021, 12, 1772-1776.	4.6	6
10	Energy transfer from Tb3+ to Eu3+ in ZnLaB5O10: A candidate for near ultraviolet LED pumped phosphor. Journal of Luminescence, 2021, 231, 117821.	3.1	3
11	Ring-Opening Hydration of Epoxides into Diols with a Low Waterâ€“Epoxide Ratio Catalyzed by a Fe-Incorporated Octahedra-Based Molecular Sieve. Journal of Physical Chemistry C, 2021, 125, 13291-13303.	3.1	14
12	Structural Diversity and Incompatibility Induced Complex Phase Formation Behavior in the Stuffed Tridymites Ca_{1â€“x}Sr_xGa₂O₄. Inorganic Chemistry, 2021, 60, 12580-12590.	4.0	4
13	Intense NUV excitation of Eu3+ in LiSrY2(BO3)3 by utilizing the local symmetry-broken characteristic: A candidate for NUV LED pumped red phosphor. Journal of Solid State Chemistry, 2021, 301, 122360.	2.9	3
14	Efficient Bi³⁺ to Eu³⁺ energy transfer and color tunable emissions in K₇CaY₂(B₅O₁₀)₃-based phosphors. Dalton Transactions, 2021, 50, 4179-4190.	3.3	7
15	Bi³⁺ photoluminescence in Y_{1â^’x}Bi_xCa₃(GaO)₃(BO₃)₄ and energy transfer to Eu³⁺ and Tb³⁺ in co-doped phosphors. Dalton Transactions, 2021, 50, 16660-16669.	3.3	4
16	Enhancing the oxide-ionic conductivity of Ba₃Mo_{1+x}Nb_{1â^’2x}Ge_xO_{8.5} at intermediate temperatures: the effect of site-selective Ge⁴⁺-substitution. Dalton Transactions, 2021, 50, 17249-17256.	3.3	3
17	A₃Aâ€²₃Zn₆Te₄O₂₄ (A = Na, Aâ€² = Rare Earth) Garnets: A-Site Ordered Noncentrosymmetric Structure, Photoluminescence, and Na-Ion Conductivity. Inorganic Chemistry, 2021, 60, 18168-18177.	4.0	5
18	Dopant and excitation wavelength dependent color tunability in Dy3+ and Eu3+ doped CaBi2B2O7 phosphors for NUV warm white LEDs. Materials Research Bulletin, 2020, 122, 110649.	5.2	24

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19	Color-tunable emissions via energy transfer in Bi3+ and Eu3+ doped Î²-LaB5O9: Sol-gel synthesis and photoluminescence. Journal of Luminescence, 2020, 219, 116880.	3.1	9
20	Structure-induced Lewis-base Ga4B2O9 and its superior performance in Knoevenagel condensation reaction. Molecular Catalysis, 2020, 490, 110914.	2.0	13
21	Unprecedented lattice volume expansion on doping stereochemically active Pb2+ into uniaxially strained structure of CaBa1â^'xPbxZn2Ga2O7. Nature Communications, 2020, 11, 1303.	12.8	4
22	Chemical-substitution-induced successive symmetry descent and structureâ€“property correlation for â€œ114â€•oxides CaBa_{1â^'x}Sr_xZn₂Al₂O₇. Dalton Transactions, 2020, 49, 3007-3014.	3.3	0
23	Site-selective doping effect, phase separation, and structure evolution in 1:1:1 triple-cation B-site ordered perovskites Ca4â^'xSrxGaNbO8. RSC Advances, 2020, 10, 1883-1889.	3.6	0
24	Ambient pressure synthesis of Eu³⁺doped Î´-BiB₃O₆by seed-assisted high temperature solid state reactions. Dalton Transactions, 2020, 49, 5932-5938.	3.3	1
25	Facile synthesis of high-pressure polymorph Î²-YB3O6 by co-doping Bi3+ and RE3+ (RE = Tb, Eu) with color-tunable emissions via energy transfer. Journal of Solid State Chemistry, 2019, 278, 120915.	2.9	6
26	Ca₂PbGa₈O₁₅: Rational Design, Synthesis, and Structure Determination of a Purely Tetrahedraâ€Based Intergrowth Oxide. Angewandte Chemie, 2019, 131, 6039-6043.	2.0	0
27	Eu3+-based efficient red phosphors Y1-Eu Ga3(BO3)4 (0 < x â‰¤ 1): A potential candidate for near ultraviolet LEDs with high thermal stability. Journal of Solid State Chemistry, 2019, 277, 665-672.	2.9	17
28	Photoluminescence of complete solid solutions Î±-Y1-Eu B5O9 by sol-gel synthesis and thermal decomposition from Y1-Eu [B6O9(OH)3]. Journal of Solid State Chemistry, 2019, 277, 731-737.	2.9	4
29	Solvent effect on the formation of active free radicals from H2O2 catalyzed by Cr-substituted PKU-1 aluminoborate: Spectroscopic investigation and reaction mechanism. Applied Catalysis A: General, 2019, 588, 117283.	4.3	13
30	Regular Double-Cube [Cr₇S₈]⁵⁺ in [Cr₇S₈(SCN)₄(NH₃)₁₄](HS): An Ideal Model Compound for Investigation of Geometrical Magnetic Frustration. Crystal Growth and Design, 2019, 19, 6028-6032.	3.0	2
31	Eu3+-doped ZnLaB5O10: A suitable candidate for near ultraviolet LED pumped red phosphor. Journal of Solid State Chemistry, 2019, 276, 173-180.	2.9	14
32	Ca₂PbGa₈O₁₅: Rational Design, Synthesis, and Structure Determination of a Purely Tetrahedraâ€Based Intergrowth Oxide. Angewandte Chemie - International Edition, 2019, 58, 5978-5982.	13.8	9
33	Strong fâ€f Excitation and Bright Red Emission in Cd₄Gd_{1â€x}Eu_xO(BO₃)₃ (0â‰¤xâ‰¤1): Nearâ€UV LED Pumped Red Phosphor with Low Thermal Quenching. Chemistry - an Asian Journal, 2019, 14, 1541-1548.	3.3	14
34	Visible light driven photocatalytic H2 generation property of trigonal ZnIn2S4 prepared by high temperature solid state reaction. Materials Letters, 2019, 248, 52-54.	2.6	13
35	Continuous solid solutions constructed from two isostructural octahedron-based molecular sieves: preparation, acidity regulation and catalytic application in Strecker reactions. New Journal of Chemistry, 2019, 43, 18184-18192.	2.8	2
36	Dy3+ and Tm3+ doped YGa3(BO3)4 for near ultraviolet excited white phosphors. Journal of Solid State Chemistry, 2019, 269, 30-35.	2.9	23

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37	Strong Lewis Base Ga₄B₂O₉: Gaâ€“O Connectivity Enhanced Basicity and Its Applications in the Strecker Reaction and Catalytic Conversion of n-Propanol. ACS Applied Materials & Interfaces, 2018, 10, 15895-15904.	8.0	9
38	Optimizing the performance of photocatalytic H₂ generation for ZnNb₂O₆ synthesized by a two-step hydrothermal method. RSC Advances, 2018, 8, 13857-13864.	3.6	11
39	An Open-Framework Aluminophosphite with Face-Sharing AlO₆ Octahedra Dimers and Extra-Large 14-Ring Channels. Crystal Growth and Design, 2018, 18, 1267-1271.	3.0	8
40	Revisiting the Thermal Transition of Î²-Form Polyamide-6: Evolution of Structure and Morphology in Uniaxially Stretched Films. Macromolecules, 2018, 51, 137-150.	4.8	39
41	CsSiB₃O₇: A Beryllium-Free Deep-Ultraviolet Nonlinear Optical Material Discovered by the Combination of Electron Diffraction and First-Principles Calculations. Chemistry of Materials, 2018, 30, 2203-2207.	6.7	39
42	One-pot synthesis of in situ carbon-decorated Cu₃P particles with enhanced electrocatalytic hydrogen evolution performance. Journal of Materials Research, 2018, 33, 546-555.	2.6	29
43	Sol-gel syntheses of pentaborate Î²-LaB5O9 and the photoluminescence by doping with Eu3+, Tb3+, Ce3+, Sm3+, and Dy3+. Journal of Solid State Chemistry, 2018, 258, 212-219.	2.9	11
44	Homopolymer and Random Copolymer of Polyhedral Oligomeric Silsesquioxane (POSS)-Based Side-Chain Polynorbornenes: Flexible Spacer Effect and Composition Dependence. Macromolecules, 2018, 51, 4484-4493.	4.8	19
45	Substitution-Induced Structure Evolution and Zn²⁺/Ga³⁺ Ordering in â€œ114â€• Oxides MAZn₂Ga₂O₇ (M = Ca²⁺,) Tj ETQq1 1 0.784314 rgBT /Ove 7770-7779.	4.0	7
46	Tb³⁺ and Eu³⁺ co-doped Ba₆Bi₉B₇₉O₁₃₈: color-tunable phosphors by utilizing the host-sensitization effect of Bi³⁺ and enhancement of red emission upon heating. New Journal of Chemistry, 2017, 41, 2037-2045.	2.8	8
47	Intrinsically low thermal conductivity from a quasi-one-dimensional crystal structure and enhanced electrical conductivity network via Pb doping in SbCrSe3. NPG Asia Materials, 2017, 9, e387-e387.	7.9	37
48	Octahedral-based redox molecular sieve M-PKU-1: Isomorphous metal-substitution, catalytic oxidation of sec-alcohol and related catalytic mechanism. Journal of Catalysis, 2017, 352, 130-141.	6.2	11
49	Ambientâ€Pressure Stabilization of Î²â€GdB₃O₆ by Doping with Bi³⁺ and Colorâ€Tunable Emissions by Coâ€Doping with Tb³⁺ and Eu³⁺: The First Photoluminescence Study of a Highâ€Pressure Polymorph. Chemistry - an Asian Journal, 2017, 12, 1353-1363.	3.3	10
50	A nanosized aluminoborate (PKU-5) with Cr-centered octahedral framework: Solid-phase synthesis, characterizations and catalytic ammoximation of cyclohexanone to cyclohexanone azine. Applied Catalysis A: General, 2017, 531, 60-68.	4.3	3
51	Bi2Ga4O9: An undoped single-phase photocatalyst for overall water splitting under visible light. Journal of Catalysis, 2017, 345, 236-244.	6.2	57
52	A crystalline AlPO4-5 intermediate: designed synthesis, structure, and phase transformation. Dalton Transactions, 2017, 46, 12209-12216.	3.3	6
53	Temperature-induced phase transitions for stuffed tridymites SrGa 2 O 4 and CaGa 2 O 4. Journal of Solid State Chemistry, 2017, 254, 195-199.	2.9	11
54	Chemical Substitution-Induced and Competitive Formation of 6H and 3C Perovskite Structures in Ba_{3â€“x}Sr_xZnSb₂O₉: The Coexistence of Two Perovskites in 0.3 â‰¤ x â‰¤ 1.0. Inorganic Chemistry, 2017, 56, 14335-14344.	4.0	6

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55	Octahedron-based redox molecular sieves M -PKU-1 (M = Cr, Fe): A novel dual-centered solid acid catalyst for heterogeneously catalyzed Strecker reaction. Applied Catalysis A: General, 2017, 542, 240-251.	4.3	13
56	In1-xGaxBO3(0 â‰¤xâ‰¤ 0.5) - Solvothermal Synthesis, Morphology, and Performance in Photocatalytic Water Reduction. European Journal of Inorganic Chemistry, 2017, 2017, 63-68.	2.0	5
57	Tetragonal Î²-In2S3: Partial ordering of In3+ vacancy and visible-light photocatalytic activities in both water and nitrate reduction. Catalysis Communications, 2017, 88, 18-21.	3.3	23
58	Intrinsic photocatalytic water reduction over PbGaBO4 comprising edge-sharing GaO6 chains. Journal of Alloys and Compounds, 2016, 684, 346-351.	5.5	12
59	Octahedron-based gallium borates (Ga-PKU-1) with an open framework: acidity, catalytic dehydration and structureâ€“activity relationship. Catalysis Science and Technology, 2016, 6, 5992-6001.	4.1	13
60	Cd12Ge17B8O58: A bulk borate material capable of photocatalytic H2 evolution from pure water. Catalysis Communications, 2016, 84, 112-115.	3.3	9
61	Î²-RE_{1â€“x}Bi_xB₃O₆ (RE = Sm, Eu, Gd, Tb, Dy,) Tj ETQq1 1 0.784314 rg Ambient Pressure. Inorganic Chemistry, 2016, 55, 9276-9283.	4.0	12
62	Superior performance of CuInS₂ for photocatalytic water treatment: full conversion of highly stable nitrate ions into harmless N₂ under visible light. Catalysis Science and Technology, 2016, 6, 8300-8308.	4.1	34
63	ZnCr2S4: Highly effective photocatalyst converting nitrate into N2 without over-reduction under both UV and pure visible light. Scientific Reports, 2016, 6, 30992.	3.3	42
64	Photocatalytic H₂ evolution for Î±-, Î²-, Î³-Ga₂O₃ and suppression of hydrolysis of Î³-Ga₂O₃ by adjusting pH, adding a sacrificial agent or loading a cocatalyst. RSC Advances, 2016, 6, 59450-59456.	3.6	25
65	First 14-Layer Twinned Hexagonal Perovskite Ba14Mn1.75Ta10.5O42: Atomic-Scale Imaging of Cation Ordering. Chemistry of Materials, 2016, 28, 4686-4696.	6.7	12
66	B-site ordered double perovskite LaBa_{1â€“x}Sr_xZnSbO₆ (0 â‰¤ x â‰¤ 1): Sr²⁺-doping-induced symmetry evolution and structureâ€“luminescence correlations. Dalton Transactions, 2016, 45, 3949-3957.	3.3	17
67	Symmetry dependent evolution of the Tb 3+ photoluminescence in Ba 6 (RE 1â€“x Tb x) 9 B 79 O 138 (RE) Tj ETQq1 1 0.784314 rgB and Compounds, 2016, 658, 110-118.	5.5	11
68	Syntheses and luminescence study for La1â€“xEu [B5O8(OH)2]Â·1.5H2O (0â‰¤xâ‰¤0.40) and the dehydrated products Î²-La1â€“xEu B5O9 (0â‰¤xâ‰¤0.15). Journal of Solid State Chemistry, 2016, 237, 159-165.	2.9	7
69	Cr₂Ge₂Te₆: High Thermoelectric Performance from Layered Structure with High Symmetry. Chemistry of Materials, 2016, 28, 1611-1615.	6.7	78
70	Y_{1â€“x}Sc_xBaZn₃GaO₇ (0 â‰¤ x â‰¤ 1): Structure Evolution by Sc-Doping and the First Example of Photocatalytic Water Reduction in â€œ114â€• Oxides. Inorganic Chemistry, 2016, 55, 1527-1534.	4.0	6
71	Ba₂InTaO₆ â€“ A Partially Bâ€Siteâ€Ordered Double Perovskite for Overall Water Splitting. European Journal of Inorganic Chemistry, 2015, 2015, 5786-5792.	2.0	14
72	Host-Sensitized Photoluminescence and Coordination Environment Evolution in Ba6(Bi1-xTbx)9B79O138(0 â‰¤xâ‰¤ 1). European Journal of Inorganic Chemistry, 2015, 2015, 5045-5052.	2.0	5

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73	An outstanding second-harmonic generation material BiB₂O₄F: exploiting the electron-withdrawing ability of fluorine. Inorganic Chemistry Frontiers, 2015, 2, 170-176.	6.0	82
74	Ba₆(Bi_{1â^'x}Eu_x)₉B₇₉O₁₃₈ (0 â‰¤ Tj ETQq0 0 0 rgBT /Ov emission ratio of Eu³⁺. Journal of Materials Chemistry C, 2015, 3, 6836-6843.	5.5	19
75	PKU-3: An HCl-Inclusive Aluminoborate for Strecker Reaction Solved by Combining RED and PXRD. Journal of the American Chemical Society, 2015, 137, 7047-7050.	13.7	33
76	Syntheses and luminescence of La_{1â^'x}Eu_x[B₈O₁₁(OH)₅] and Î²-La_{1â^'x}Eu_xB₅O₉ (0 â‰¤ x â‰¤ 0.135). New Journal of Chemistry, 2015, 39, 9886-9893.	2.8	15
77	Ga4B2O9: An Efficient Borate Photocatalyst for Overall Water Splitting without Cocatalyst. Inorganic Chemistry, 2015, 54, 2945-2949.	4.0	27
78	Improving photocatalytic water reduction activity for In2TiO5 by loading metal cocatalysts. Journal of Alloys and Compounds, 2015, 646, 277-282.	5.5	9
79	Structure evolution in â€œ114â€•oxides CaBaZn2Ga2â^'xAlxO7 (x = 0, 1, 2) and layered cationic ordering in tetrahedral sites for CaBaZn2Al2O7. Dalton Transactions, 2015, 44, 6069-6074.	3.3	4
80	Approaching the structure of REBaB9O16 (RE = rare earth) by characterization of a new analogue Ba6Bi9B79O138. Journal of Materials Chemistry C, 2015, 3, 4431-4437.	5.5	12
81	ZnGa_{2â€“x}In_xS₄ (0 â‰¤ x â‰¤ 0.4) and Zn_{1â€“2y}(CuGa)_yGa_{1.7}In_{0.3}S₄ (0.1 â‰¤ y â‰¤ 0.2): Optimize Visible Light Photocatalytic H₂ Evolution by Fine Modulation of Band Structures. Inorganic Chemistry, 2015, 54, 2467-2473.	4.0	20
82	Solâ€“gel syntheses, luminescence, and energy transfer properties of Î±-GdB5O9:Ce3+/Tb3+ phosphors. Dalton Transactions, 2015, 44, 2276-2284.	3.3	45
83	Photocatalytic reduction of nitrate over chalcopyrite CuFe 0.7 Cr 0.3 S 2 with high N 2 selectivity. Journal of Alloys and Compounds, 2015, 651, 731-736.	5.5	15
84	Photocatalytic overall water splitting over an open-framework gallium borate loaded with various cocatalysts. Catalysis Communications, 2015, 71, 17-20.	3.3	22
85	Octahedra-based molecular sieve aluminoborate (PKU-1) as solid acid for heterogeneously catalyzed Strecker reaction. Catalysis Communications, 2015, 58, 174-178.	3.3	15
86	Direct Observation of the Ground State of a 1/3 Quantum Magnetization Plateau in SrMn3P4O14 Using Neutron Diffraction Measurements. Journal of the Physical Society of Japan, 2014, 83, 104701.	1.6	6
87	Syntheses and luminescence of complete solid solutions Gd1â^'xEux[B6O9(OH)3] and Î±-Gd1â^'xEuxB5O9. New Journal of Chemistry, 2014, 38, 122-131.	2.8	22
88	Co-molten solvothermal method for synthesizing chalcopyrite CuFe_{1â^'x}Cr_xS₂ (x â‰¤ 0.4): high photocatalytic activity for the reduction of nitrate ions. Dalton Transactions, 2014, 43, 15385-15390.	3.3	13
89	Systematic Study of Cr³⁺ Substitution into Octahedra-Based Microporous Aluminoborates. Inorganic Chemistry, 2014, 53, 5600-5608.	4.0	11
90	Flower-like nanostructure MNb2O6 (M= Mn, Zn) with high surface area: Hydrothermal synthesis and enhanced photocatalytic performance. Materials Research Bulletin, 2014, 51, 271-276.	5.2	16

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91	Open-Framework Gallium Borate with Boric and Metaboric Acid Molecules inside Structural Channels Showing Photocatalysis to Water Splitting. Inorganic Chemistry, 2014, 53, 2364-2366.	4.0	41
92	Magnetism of SrM 3P4 O 14 (M 2+ = 3d Ions) investigated using neutron-scattering measurements. Journal of the Korean Physical Society, 2013, 62, 1896-1899.	0.7	0
93	Coordination environment evolution of Eu3+ during the dehydration and re-crystallization processes of Sm1â^'xEux[B9O13(OH)4]Â·H2O by photoluminescent characteristics. Dalton Transactions, 2013, 42, 16318.	3.3	21
94	A new member of â€œ114â€•family Ca1â^'xEuxBaZn2+xGa2â^'xO7 (xâ‰0.24): Structure and luminescence. Journal of Solid State Chemistry, 2013, 207, 105-110.	2.9	4
95	1:1:1 Triple-Cation B-Site-Ordered and Oxygen-Deficient Perovskite Ca₄GaNbO₈: A Member of a Family of Anion-Vacancy-Based Cation-Ordered Complex Perovskites. Inorganic Chemistry, 2013, 52, 3795-3802.	4.0	6
96	BaFe₉LiO₁₅: A New Layered Antiferromagnetic Ferrite. Inorganic Chemistry, 2013, 52, 4866-4872.	4.0	3
97	Observation of the Sixth Polymorph of BiB₃O₆: In Situ High-Pressure Raman Spectroscopy and Synchrotron X-ray Diffraction Studies on the Î²-Polymorph. Inorganic Chemistry, 2013, 52, 7460-7466.	4.0	22
98	Rare earth induced formation of Î´-BiB3O6 at ambient pressure with strong second harmonic generation. Journal of Materials Chemistry, 2012, 22, 17934.	6.7	27
99	Mullite-derivative Bi2MnxAl7â^'xO14 (xâ^¼ 1): structure determination by powder X-ray diffraction from a multi-phase sample. Dalton Transactions, 2012, 41, 2884.	3.3	2
100	Syntheses, Structure, and Luminescent Properties of Novel Hydrated Rare Earth BoratesLn2B6O10(OH)4â€¢H2O (Ln= Pr, Nd, Sm, Eu, Gd, Dy, Ho, and Y). Inorganic Chemistry, 2011, 50, 1767-1774.	4.0	38
101	Synthesis and structure determination of ferromagnetic semiconductors LaAMnSnO₆(A =) Tj ETQq1 1 0.784314 rgBT /Ove	6.7	4
102	Spiral ground state against ferroelectricity in the frustrated magnet BiMnFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>6</mml:mn></mml:mro	3.2	12
103	Microporous Aluminoborates with Large Channels: Structural and Catalytic Properties. Angewandte Chemie - International Edition, 2011, 50, 12555-12558.	13.8	67
104	Spiral magnetic structure in spin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mfrac><mml:mn>5</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml:math>frustrated trimerized chains in SrMn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>P<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="htt. Physical Review B, 2011,	3.2	11
105	Magnetic excitations in the spin-52antiferromagnetic trimer substance SrMn3P4O14. Physical Review B, 2011, 84, .	3.2	10
106	H₂InB₅O₁₀: A New Pentaborate Constructed from 2D Tetrahedrally Fourâ€Connected Borate Layers and InO₆ Octahedra. European Journal of Inorganic Chemistry, 2010, 2010, 1703-1709.	2.0	18
107	Mullite-type Ga₄B₂O₉: structure and orderâ€“disorder phenomenon. Acta Crystallographica Section B: Structural Science, 2010, 66, 141-150.	1.8	23
108	BiMnFe2O6, a polysynthetically twinned hcp MO structure. Chemical Science, 2010, 1, 751.	7.4	13

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109	High-field magnetization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>SrMn</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> a quantum-mechanical magnetization plateau and classical magnetic long-range order. Physical Review B, 2009, 80, .	3.2	22
110	Inhomogeneous Magnet NaMnIII[BP2O7(OH)3]: Ferromagnetic Clusters Inserted in a Metamagnetic Matrix. European Journal of Inorganic Chemistry, 2009, 2009, 3758-3764.	2.0	0
111	Fe₅O₅[B₆O₁₀(OH)₃]Â·nH₂O: Wave-Layered Iron Borate and Frustrated Antiferromagnetism. Inorganic Chemistry, 2009, 48, 11209-11214.	4.0	8
112	Phase transitions among four BiB3O6 polymorphs: a detailed investigation. CrystEngComm, 2009, 11, 1971.	2.6	43
113	Na₈[Cr₄B₁₂P₈O₄₄(OH)₄][P₂O₇<su A 3D Borophosphate Framework with Spherical Cages. Chemistry - A European Journal, 2008, 14, 7212-7217.	3.3	30
114	Na₅[MB₂₄O₃₄(OH)₁₂]Â·nH₂O (M =) Tj ETQq0 0 0 rgBT /Overl Flux Synthesis. Inorganic Chemistry, 2008, 47, 3228-3233.	4.0	25
115	Four Isomorphous Phosphates AM₃P₄O₁₄ (A = Sr, Ba; M = Co, Mn) with Antiferromagneticâ^'Antiferromagneticâ^'Ferromagnetic Trimerized Chains, Showing 1/3 Quantum Magnetization Plateaus Only in the Manganese(II) System. Inorganic Chemistry, 2008, 47, 2562-2568.	4.0	36
116	Square-Pyramidal/Triangular Framework Oxide:Â Synthesis and Structure of PKU-6. Inorganic Chemistry, 2007, 46, 4772-4774.	4.0	49
117	MH2P2O7(M = Co, Ni):Â Metamagnetic Interaction between the Zigzag Octahedral Chains. Inorganic Chemistry, 2007, 46, 2342-2344.	4.0	22
118	MCuB7O12Â·nH2O (M = Na, K): A new copper borate with 14-ring channels. Chemical Communications, 2005, , 4225.	4.1	25
119	Synthesis, Characterization, and Catalytic Performance of Cr-Incorporated Aluminoborate Octahedral Molecular Sieves. Journal of Physical Chemistry B, 2005, 109, 22775-22779.	2.6	13
120	PKU-5: An Aluminoborate with Novel Octahedral Framework Topology. Chemistry - A European Journal, 2004, 10, 3901-3906.	3.3	84
121	Aluminoborate-Based Molecular Sieves with 18-Octahedral-Atom Tunnels. Angewandte Chemie - International Edition, 2003, 42, 5607-5610.	13.8	112