

Tao Yang

List of Publications by Year in descending order

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121
papers

2,329
citations

236925

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docs citations

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times ranked

2476
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Aluminoborate-Based Molecular Sieves with 18-Octahedral-Atom Tunnels. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5607-5610. | 13.8 | 112 |
| 2 | PKU-5: An Aluminoborate with Novel Octahedral Framework Topology. <i>Chemistry - A European Journal</i> , 2004, 10, 3901-3906. | 3.3 | 84 |
| 3 | An outstanding second-harmonic generation material BiB ₂ O ₄ F: exploiting the electron-withdrawing ability of fluorine. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 170-176. | 6.0 | 82 |
| 4 | Cr ₂ Ge ₂ Te ₆ : High Thermoelectric Performance from Layered Structure with High Symmetry. <i>Chemistry of Materials</i> , 2016, 28, 1611-1615. | 6.7 | 78 |
| 5 | Microporous Aluminoborates with Large Channels: Structural and Catalytic Properties. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12555-12558. | 13.8 | 67 |
| 6 | Bi ₂ Ga ₄ O ₉ : An undoped single-phase photocatalyst for overall water splitting under visible light. <i>Journal of Catalysis</i> , 2017, 345, 236-244. | 6.2 | 57 |
| 7 | Square-Pyramidal/Triangular Framework Oxide: Synthesis and Structure of PKU-6. <i>Inorganic Chemistry</i> , 2007, 46, 4772-4774. | 4.0 | 49 |
| 8 | Sol-gel syntheses, luminescence, and energy transfer properties of β -Gd ₂ B ₅ O ₉ :Ce ³⁺ /Tb ³⁺ phosphors. <i>Dalton Transactions</i> , 2015, 44, 2276-2284. | 3.3 | 45 |
| 9 | Phase transitions among four BiB ₃ O ₆ polymorphs: a detailed investigation. <i>CrystEngComm</i> , 2009, 11, 1971. | 2.6 | 43 |
| 10 | ZnCr ₂ S ₄ : Highly effective photocatalyst converting nitrate into N ₂ without over-reduction under both UV and pure visible light. <i>Scientific Reports</i> , 2016, 6, 30992. | 3.3 | 42 |
| 11 | Open-Framework Gallium Borate with Boric and Metaboric Acid Molecules inside Structural Channels Showing Photocatalysis to Water Splitting. <i>Inorganic Chemistry</i> , 2014, 53, 2364-2366. | 4.0 | 41 |
| 12 | Revisiting the Thermal Transition of β -Form Polyamide-6: Evolution of Structure and Morphology in Uniaxially Stretched Films. <i>Macromolecules</i> , 2018, 51, 137-150. | 4.8 | 39 |
| 13 | CsSiB ₃ O ₇ : A Beryllium-Free Deep-Ultraviolet Nonlinear Optical Material Discovered by the Combination of Electron Diffraction and First-Principles Calculations. <i>Chemistry of Materials</i> , 2018, 30, 2203-2207. | 6.7 | 39 |
| 14 | Syntheses, Structure, and Luminescent Properties of Novel Hydrated Rare Earth Borates Ln ₂ B ₆ O ₁₀ (OH) ₄ ·nH ₂ O (Ln= Pr, Nd, Sm, Eu, Gd, Dy, Ho, and Y). <i>Inorganic Chemistry</i> , 2011, 50, 1767-1774. | 4.0 | 38 |
| 15 | Intrinsically low thermal conductivity from a quasi-one-dimensional crystal structure and enhanced electrical conductivity network via Pb doping in SbCrSe ₃ . <i>NPG Asia Materials</i> , 2017, 9, e387-e387. | 7.9 | 37 |
| 16 | Four Isomorphous Phosphates AM ₃ P ₄ O ₁₄ (A = Sr, Ba; M = Co, Mn) with Antiferromagnetic ¹ /Antiferromagnetic ² /Ferromagnetic Trimerized Chains, Showing 1/3 Quantum Magnetization Plateaus Only in the Manganese(II) System. <i>Inorganic Chemistry</i> , 2008, 47, 2562-2568. | 4.0 | 36 |
| 17 | Superior performance of CuInS ₂ for photocatalytic water treatment: full conversion of highly stable nitrate ions into harmless N ₂ under visible light. <i>Catalysis Science and Technology</i> , 2016, 6, 8300-8308. | 4.1 | 34 |
| 18 | PKU-3: An HCl-Inclusive Aluminoborate for Strecker Reaction Solved by Combining RED and PXRD. <i>Journal of the American Chemical Society</i> , 2015, 137, 7047-7050. | 13.7 | 33 |

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|----|--|-----|-----------|
| 37 | Ba ₆ (Bi ^x Eu _x) ₉ B ₇₉ O ₁₃₈ (0 ≤ x ≤ 1): emission ratio of Eu ³⁺ . Journal of Materials Chemistry C, 2015, 3, 6836-6843. | 5.5 | 19 |
| 38 | 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 |
| 39 | H ₂ InB ₅ O ₁₀ : A New Pentaborate Constructed from 2D Tetrahedrally Four-Connected Borate Layers and InO ₆ Octahedra. European Journal of Inorganic Chemistry, 2010, 2010, 1703-1709. | 2.0 | 18 |
| 40 | B-site ordered double perovskite LaBa _{1-x} Sr _x ZnSbO ₆ (0 ≤ x ≤ 1): Sr ²⁺ -doping-induced symmetry evolution and structure-activity luminescence correlations. Dalton Transactions, 2016, 45, 3949-3957. | 3.3 | 17 |
| 41 | Eu ³⁺ -based efficient red phosphors Y _{1-x} Ga ₃ (BO ₃) ₄ (0 ≤ x ≤ 1): A potential candidate for near ultraviolet LEDs with high thermal stability. Journal of Solid State Chemistry, 2019, 277, 665-672. | 2.9 | 17 |
| 42 | Flower-like nanostructure MNb ₂ O ₆ (M= Mn, Zn) with high surface area: Hydrothermal synthesis and enhanced photocatalytic performance. Materials Research Bulletin, 2014, 51, 271-276. | 5.2 | 16 |
| 43 | Syntheses and luminescence of La _{1-x} Eu _x [B ₈ O ₁₁ (OH) ₅] and [La _{1-x} Eu _x B ₅ O ₉] (0 ≤ x ≤ 0.135). New Journal of Chemistry, 2015, 39, 9886-9893. | 2.8 | 15 |
| 44 | 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 |
| 45 | Octahedra-based molecular sieve aluminoborate (PKU-1) as solid acid for heterogeneously catalyzed Strecker reaction. Catalysis Communications, 2015, 58, 174-178. | 3.3 | 15 |
| 46 | Ba ₂ InTaO ₆ - A Partially B-Site-Ordered Double Perovskite for Overall Water Splitting. European Journal of Inorganic Chemistry, 2015, 2015, 5786-5792. | 2.0 | 14 |
| 47 | Eu ³⁺ -doped ZnLaB ₅ O ₁₀ : A suitable candidate for near ultraviolet LED pumped red phosphor. Journal of Solid State Chemistry, 2019, 276, 173-180. | 2.9 | 14 |
| 48 | Strong Excitation and Bright Red Emission in Cd ₄ Gd _{1-x} Eu _x O(BO ₃) ₃ (0 ≤ x ≤ 1): Near-UV LED Pumped Red Phosphor with Low Thermal Quenching. Chemistry - an Asian Journal, 2019, 14, 1541-1548. | 3.3 | 14 |
| 49 | Ring-Opening Hydration of Epoxides into Diols with a Low Water-Epoxy Ratio Catalyzed by a Fe-Incorporated Octahedra-Based Molecular Sieve. Journal of Physical Chemistry C, 2021, 125, 13291-13303. | 3.1 | 14 |
| 50 | Synthesis, Characterization, and Catalytic Performance of Cr-Incorporated Aluminoborate Octahedral Molecular Sieves. Journal of Physical Chemistry B, 2005, 109, 22775-22779. | 2.6 | 13 |
| 51 | BiMnFe ₂ O ₆ , a polysynthetically twinned hcp MO structure. Chemical Science, 2010, 1, 751. | 7.4 | 13 |
| 52 | Co-molten solvothermal method for synthesizing chalcopyrite CuFe _{1-x} Cr _x S ₂ (x ≤ 0.4): high photocatalytic activity for the reduction of nitrate ions. Dalton Transactions, 2014, 43, 15385-15390. | 3.3 | 13 |
| 53 | Octahedron-based gallium borates (Ga-PKU-1) with an open framework: acidity, catalytic dehydration and structure-activity relationship. Catalysis Science and Technology, 2016, 6, 5992-6001. | 4.1 | 13 |
| 54 | 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 |

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|----|---|-----|-----------|
| 55 | Solvent effect on the formation of active free radicals from H ₂ O ₂ catalyzed by Cr-substituted PKU-1 aluminoborate: Spectroscopic investigation and reaction mechanism. Applied Catalysis A: General, 2019, 588, 117283. | 4.3 | 13 |
| 56 | Visible light driven photocatalytic H ₂ generation property of trigonal ZnIn ₂ S ₄ prepared by high temperature solid state reaction. Materials Letters, 2019, 248, 52-54. | 2.6 | 13 |
| 57 | Structure-induced Lewis-base Ga ₄ B ₂ O ₉ and its superior performance in Knoevenagel condensation reaction. Molecular Catalysis, 2020, 490, 110914. | 2.0 | 13 |
| 58 | Complex crystal structure and photoluminescence of Bi ³⁺ -doped and Bi ³⁺ /Eu ³⁺ co-doped Ca ₇ Mg ₂ Ga ₆ O ₁₈ . Dalton Transactions, 2021, 50, 6848-6856. | 3.3 | 13 |
| 59 | Approaching the structure of REBa ₉ O ₁₆ (RE = rare earth) by characterization of a new analogue Ba ₆ Bi ₉ B ₇ O ₁₃₈ . Journal of Materials Chemistry C, 2015, 3, 4431-4437. | 3.2 | 12 |
| 60 | Intrinsic photocatalytic water reduction over PbGaBO ₄ comprising edge-sharing GaO ₆ chains. Journal of Alloys and Compounds, 2016, 684, 346-351. | 5.5 | 12 |
| 61 | RE ₂ -RE ₁ Bi ₃ B ₃ O ₆ (RE = Sm, Eu, Gd, Tb, Dy, Tj) ETQqO ₀ O ₀ rgBT /Overlock Ambient Pressure. Inorganic Chemistry, 2016, 55, 9276-9283. | 4.0 | 12 |
| 62 | First 14-Layer Twinned Hexagonal Perovskite Ba ₁₄ Mn _{1.75} Ta _{10.5} O ₄₂ : Atomic-Scale Imaging of Cation Ordering. Chemistry of Materials, 2016, 28, 4686-4696. | 6.7 | 12 |
| 63 | Spiral magnetic structure in spin-frustrated trimerized chains in SrMn ₃ P ₄ O ₁₄ . Physical Review B, 2011, 84, . | 3.2 | 11 |
| 64 | Systematic Study of Cr ³⁺ Substitution into Octahedra-Based Microporous Aluminoborates. Inorganic Chemistry, 2014, 53, 5600-5608. | 4.0 | 11 |
| 65 | Symmetry dependent evolution of the Tb ³⁺ photoluminescence in Ba ₆ (RE ^x Tb ^x) ₉ B ₇ O ₁₃₈ (RE) Tj ETQqO ₀ O ₀ rgBT /Overlock and Compounds, 2016, 658, 110-118. | 5.5 | 11 |
| 66 | 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 |
| 67 | 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 |
| 68 | Optimizing the performance of photocatalytic H ₂ generation for ZnNb ₂ O ₆ synthesized by a two-step hydrothermal method. RSC Advances, 2018, 8, 13857-13864. | 3.6 | 11 |
| 69 | Sol-gel syntheses of pentaborate RE ₂ -LaB ₅ O ₉ and the photoluminescence by doping with Eu ³⁺ , Tb ³⁺ , Ce ³⁺ , Sm ³⁺ , and Dy ³⁺ . Journal of Solid State Chemistry, 2018, 258, 212-219. | 2.9 | 11 |
| 70 | Magnetic excitations in the spin-5/2 antiferromagnetic trimer substance SrMn ₃ P ₄ O ₁₄ . Physical Review B, 2011, 84, . | 3.2 | 10 |
| 71 | Ambient Pressure Stabilization of RE ₂ Gd ₃ O ₆ by Doping with Bi ³⁺ and Color-Tunable Emissions by Co-Doping with Tb ³⁺ and Eu ³⁺ : The First Photoluminescence Study of a High Pressure Polymorph. Chemistry - an Asian Journal, 2017, 12, 1353-1363. | 3.3 | 10 |

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|----|---|------|-----------|
| 73 | Improving photocatalytic water reduction activity for In ₂ TiO ₅ by loading metal cocatalysts. <i>Journal of Alloys and Compounds</i> , 2015, 646, 277-282. | 5.5 | 9 |
| 74 | Cd ₁₂ Ge ₁₇ B ₈ O ₅₈ : A bulk borate material capable of photocatalytic H ₂ evolution from pure water. <i>Catalysis Communications</i> , 2016, 84, 112-115. | 3.3 | 9 |
| 75 | Strong Lewis Base Ga ₄ B ₂ O ₉ : Ga-O Connectivity Enhanced Basicity and Its Applications in the Strecker Reaction and Catalytic Conversion of <i>n</i> -Propanol. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15895-15904. | 8.0 | 9 |
| 76 | Ca ₂ PbGa ₈ O ₁₅ : Rational Design, Synthesis, and Structure Determination of a Purely Tetrahedra-Based Intergrowth Oxide. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5978-5982. | 13.8 | 9 |
| 77 | Color-tunable emissions via energy transfer in Bi ³⁺ and Eu ³⁺ doped β -LaB ₅ O ₉ : Sol-gel synthesis and photoluminescence. <i>Journal of Luminescence</i> , 2020, 219, 116880. | 3.1 | 9 |
| 78 | d ₁₀ or d ₀ ? Theoretical and experimental comparison between rutile GeO ₂ and TiO ₂ for photocatalytic water splitting. <i>Chemical Communications</i> , 2021, 57, 536-539. | 4.1 | 9 |
| 79 | Fe ₅ O ₅ [B ₆ O ₁₀ (OH) ₃] \cdot nH ₂ O: Wave-Layered Iron Borate and Frustrated Antiferromagnetism. <i>Inorganic Chemistry</i> , 2009, 48, 11209-11214. | 4.0 | 8 |
| 80 | Tb ³⁺ and Eu ³⁺ co-doped Ba ₆ Bi ₉ B ₇₉ O ₁₃₈ : color-tunable phosphors by utilizing the host-sensitization effect of Bi ³⁺ and enhancement of red emission upon heating. <i>New Journal of Chemistry</i> , 2017, 41, 2037-2045. | 2.8 | 8 |
| 81 | An Open-Framework Aluminophosphate with Face-Sharing AlO ₆ Octahedra Dimers and Extra-Large 14-Ring Channels. <i>Crystal Growth and Design</i> , 2018, 18, 1267-1271. | 3.0 | 8 |
| 82 | Syntheses and luminescence study for La ¹⁺ Eu [B ₅ O ₈ (OH) ₂] \cdot 1.5H ₂ O (0.40) and the dehydrated products β -La ¹⁺ Eu B ₅ O ₉ (0.15). <i>Journal of Solid State Chemistry</i> , 2016, 237, 159-165. | 2.9 | 7 |
| 83 | Substitution-Induced Structure Evolution and Zn ²⁺ /Ga ³⁺ Ordering in ϵ -Oxides MA ₂ Zn ₂ Ga ₂ O ₇ (M = Ca ²⁺ , Tl). <i>Chemical Communications</i> , 2017, 10, 7770-7779. | 4.0 | 7 |
| 84 | Efficient Bi ³⁺ to Eu ³⁺ energy transfer and color tunable emissions in K ₇ CaY ₂ (B ₅ O ₁₀) ₃ -based phosphors. <i>Dalton Transactions</i> , 2021, 50, 4179-4190. | 3.3 | 7 |
| 85 | 1:1:1 Triple-Cation B-Site-Ordered and Oxygen-Deficient Perovskite Ca ₄ GaNbO ₈ : A Member of a Family of Anion-Vacancy-Based Cation-Ordered Complex Perovskites. <i>Inorganic Chemistry</i> , 2013, 52, 3795-3802. | 4.0 | 6 |
| 86 | Direct Observation of the Ground State of a 1/3 Quantum Magnetization Plateau in SrMn ₃ P ₄ O ₁₄ Using Neutron Diffraction Measurements. <i>Journal of the Physical Society of Japan</i> , 2014, 83, 104701. | 1.6 | 6 |
| 87 | Y ₁ Sc ₁ BaZn ₃ GaO ₇ (0.1): Structure Evolution by Sc-Doping and the First Example of Photocatalytic Water Reduction in ϵ -Oxides. <i>Inorganic Chemistry</i> , 2016, 55, 1527-1534. | 4.0 | 6 |
| 88 | A crystalline AlPO ₄₋₅ intermediate: designed synthesis, structure, and phase transformation. <i>Dalton Transactions</i> , 2017, 46, 12209-12216. | 3.3 | 6 |
| 89 | Chemical Substitution-Induced and Competitive Formation of 6H and 3C Perovskite Structures in Ba ₃ Sr ₁ ZnSb ₂ O ₉ : The Coexistence of Two Perovskites in 0.3 β -La ¹⁺ Eu B ₅ O ₉ (0.15). <i>Inorganic Chemistry</i> , 2017, 56, 14335-14344. | 4.0 | 6 |
| 90 | Facile synthesis of high-pressure polymorph β -YB ₃ O ₆ by co-doping Bi ³⁺ and RE ³⁺ (RE = Tb, Eu) with color-tunable emissions via energy transfer. <i>Journal of Solid State Chemistry</i> , 2019, 278, 120915. | 2.9 | 6 |

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|-----|---|-------------|-----------|
| 91 | Rationalize the Significantly Enhanced Photocatalytic Efficiency of In ³⁺ -doped $\text{In}^{\pm}\text{Ga}_2\text{S}_3$ by Bond Theory and Local Structural Distortion. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1772-1776. | 4.6 | 6 |
| 92 | Fe doped aluminoborate PKU-1 catalysts for the ketalization of glycerol to solketal: Unveiling the effects of iron composition and boron. <i>Chinese Chemical Letters</i> , 2022, 33, 1346-1352. | 9.0 | 6 |
| 93 | Eu^{3+} and Tb^{3+} doped $\text{LiCaY}_5(\text{BO}_3)_6$: Efficient red and green phosphors under UV or NUV excitations. <i>Journal of Luminescence</i> , 2022, 242, 118598. | 3.1 | 6 |
| 94 | Host-Sensitized Photoluminescence and Coordination Environment Evolution in $\text{Ba}_6(\text{Bi}_{1-x}\text{Tb}_x)_9\text{B}_7\text{O}_{138}(\text{O} \approx 1)$. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5045-5052. | 2.0 | 5 |
| 95 | $\text{In}_{1-x}\text{Ga}_x\text{BO}_3(\text{O} \approx 0.5)$ - Solvothermal Synthesis, Morphology, and Performance in Photocatalytic Water Reduction. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 63-68. | 2.0 | 5 |
| 96 | $\text{A}_3\text{A}^2\text{Zn}_6\text{Te}_4\text{O}_{24}$ (A = Na, A^2 = Rare Earth) Garnets: A-Site Ordered Noncentrosymmetric Structure, Photoluminescence, and Na-Ion Conductivity. <i>Inorganic Chemistry</i> , 2021, 60, 18168-18177. | 4.0 | 5 |
| 97 | Synthesis and structure determination of ferromagnetic semiconductors LaAMnSnO_6 (A = Tj, ET, Q, r, g, B, T, O, v, e). <i>Journal of Solid State Chemistry</i> , 2013, 207, 105-110. | 1.0, 784314 | 4 |
| 98 | A new member of $\text{CaBaZn}_2\text{Ga}_2\text{Al}_x\text{O}_7$ ($x \approx 0.24$): Structure and luminescence. <i>Journal of Solid State Chemistry</i> , 2013, 207, 105-110. | 2.9 | 4 |
| 99 | Structure evolution in $\text{CaBaZn}_2\text{Ga}_2\text{Al}_x\text{O}_7$ ($x = 0, 1, 2$) and layered cationic ordering in tetrahedral sites for $\text{CaBaZn}_2\text{Al}_2\text{O}_7$. <i>Dalton Transactions</i> , 2015, 44, 6069-6074. | 3.3 | 4 |
| 100 | Photoluminescence of complete solid solutions $\text{Y}_1\text{-Eu B}_5\text{O}_9$ by sol-gel synthesis and thermal decomposition from $\text{Y}_1\text{-Eu} [\text{B}_6\text{O}_9(\text{OH})_3]$. <i>Journal of Solid State Chemistry</i> , 2019, 277, 731-737. | 2.9 | 4 |
| 101 | Unprecedented lattice volume expansion on doping stereochemically active Pb^{2+} into uniaxially strained structure of $\text{CaBa}_1\text{Pb}_x\text{Zn}_2\text{Ga}_2\text{O}_7$. <i>Nature Communications</i> , 2020, 11, 1303. | 12.8 | 4 |
| 102 | Structural Diversity and Incompatibility Induced Complex Phase Formation Behavior in the Stuffed Tridymites $\text{Ca}_1\text{Sr}_x\text{Ga}_2\text{O}_4$. <i>Inorganic Chemistry</i> , 2021, 60, 12580-12590. | 4.0 | 4 |
| 103 | Bi^{3+} photoluminescence in $\text{YBi}_x\text{Ca}_3(\text{GaO})_3(\text{BO}_3)_4$ and energy transfer to Eu^{3+} and Tb^{3+} in co-doped phosphors. <i>Dalton Transactions</i> , 2021, 50, 16660-16669. | 3.3 | 4 |
| 104 | $\text{BaFe}_9\text{LiO}_{15}$: A New Layered Antiferromagnetic Ferrite. <i>Inorganic Chemistry</i> , 2013, 52, 4866-4872. | 4.0 | 3 |
| 105 | A nanosized aluminoborate (PKU-5) with Cr-centered octahedral framework: Solid-phase synthesis, characterizations and catalytic ammoxidation of cyclohexanone to cyclohexanone azine. <i>Applied Catalysis A: General</i> , 2017, 531, 60-68. | 4.3 | 3 |
| 106 | $\text{La}_1\text{-Eu B}_4\text{O}_6(\text{OH})_2\text{Cl}$ ($0 \leq x \leq 0.54$): Strong 4f-4f excitations due to the noncentrosymmetric and oxychloride coordination of Eu^{3+} . <i>Journal of Solid State Chemistry</i> , 2021, 293, 121775. | 2.9 | 3 |
| 107 | Energy transfer from Tb^{3+} to Eu^{3+} in $\text{ZnLaB}_5\text{O}_{10}$: A candidate for near ultraviolet LED pumped phosphor. <i>Journal of Luminescence</i> , 2021, 231, 117821. | 3.1 | 3 |
| 108 | Ce^{3+} sensitized Tb^{3+} and Dy^{3+} photoluminescence in LaB_5O_9 prepared by sol-gel method. <i>Journal of Rare Earths</i> , 2022, 40, 1181-1186. | 4.8 | 3 |

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|-----|--|-----|-----------|
| 109 | Intense NUV excitation of Eu ³⁺ in LiSrY ₂ (BO ₃) ₃ by utilizing the local symmetry-broken characteristic: A candidate for NUV LED pumped red phosphor. <i>Journal of Solid State Chemistry</i> , 2021, 301, 122360. | 2.9 | 3 |
| 110 | Enhancing the oxide-ionic conductivity of Ba ₃ Mo _{1+x} Nb _{1-2x} Ge _x O _{8.5} at intermediate temperatures: the effect of site-selective Ge ⁴⁺ -substitution. <i>Dalton Transactions</i> , 2021, 50, 17249-17256. | 3.3 | 3 |
| 111 | Mullite-derivative Bi ₂ Mn _x Al _{7-4x} O ₁₄ (x ^{1/4} 1): structure determination by powder X-ray diffraction from a multi-phase sample. <i>Dalton Transactions</i> , 2012, 41, 2884. | 3.3 | 2 |
| 112 | Regular Double-Cube [Cr ₇ S ₈] ⁵⁺ in [Cr ₇ S ₈ (SCN) ₄ (NH ₃) ₃] ₁₄ (HS): An Ideal Model Compound for Investigation of Geometrical Magnetic Frustration. <i>Crystal Growth and Design</i> , 2019, 19, 6028-6032. | 3.0 | 2 |
| 113 | Continuous solid solutions constructed from two isostructural octahedron-based molecular sieves: preparation, acidity regulation and catalytic application in Strecker reactions. <i>New Journal of Chemistry</i> , 2019, 43, 18184-18192. | 2.8 | 2 |
| 114 | Identification of key oxidative intermediates and the function of chromium dopants in PKU-8: catalytic dehydrogenation of sec-alcohols with tert-butylhydroperoxide. <i>Catalysis Science and Technology</i> , 2021, 11, 1365-1374. | 4.1 | 2 |
| 115 | Ambient pressure synthesis of Eu ³⁺ -doped $\hat{\Gamma}$ -BiB ₃ O ₆ by seed-assisted high temperature solid state reactions. <i>Dalton Transactions</i> , 2020, 49, 5932-5938. | 3.3 | 1 |
| 116 | PKU-2: An intrinsically microporous aluminoborate with the potential in selective gas separation of CO ₂ /CH ₄ and C ₂ H ₂ /C ₂ H ₄ . <i>Microporous and Mesoporous Materials</i> , 2021, 312, 110782. | 4.4 | 1 |
| 117 | Inhomogeneous Magnet NaMnIII[BP ₂ O ₇ (OH) ₃]: Ferromagnetic Clusters Inserted in a Metamagnetic Matrix. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3758-3764. | 2.0 | 0 |
| 118 | Magnetism of SrM ₃ P ₄ O ₁₄ (M ²⁺ = 3d Ions) investigated using neutron-scattering measurements. <i>Journal of the Korean Physical Society</i> , 2013, 62, 1896-1899. | 0.7 | 0 |
| 119 | Ca ₂ PbGa ₈ O ₁₅ : Rational Design, Synthesis, and Structure Determination of a Purely Tetrahedra-Based Intergrowth Oxide. <i>Angewandte Chemie</i> , 2019, 131, 6039-6043. | 2.0 | 0 |
| 120 | Chemical-substitution-induced successive symmetry descent and structure-property correlation for α -oxides CaBa _x Sr _x Zn ₂ Al ₂ O ₇ . <i>Dalton Transactions</i> , 2020, 49, 3007-3014. | 3.3 | 0 |
| 121 | Site-selective doping effect, phase separation, and structure evolution in 1:1:1 triple-cation B-site ordered perovskites Ca _{4-x} Sr _x GaNbO ₈ . <i>RSC Advances</i> , 2020, 10, 1883-1889. | 3.6 | 0 |