

Di Wu

List of Publications by Year in descending order

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152
papers

4,201
citations

126907

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144013

57
g-index

156
all docs

156
docs citations

156
times ranked

6081
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Dual-Design of Nanoporous to Compact Interface via Atomic/Molecular Layer Deposition Enabling a Long-Life Silicon Anode. <i>Advanced Functional Materials</i> , 2022, 32, 2109682. | 14.9 | 26 |
| 2 | An umpolung strategy for rapid access to thermally activated delayed fluorescence (TADF) materials based on phenazine. <i>Chemical Communications</i> , 2022, 58, 1581-1584. | 4.1 | 6 |
| 3 | Probing oil recovery in shale nanopores with small-angle and ultra-small-angle neutron scattering. <i>International Journal of Coal Geology</i> , 2022, 253, 103950. | 5.0 | 5 |
| 4 | Hosting AlCl ₃ on ternary metal oxide composites for catalytic oligomerization of 1-decene: Revealing the role of supports via performance evaluation and DFT calculation. <i>Microporous and Mesoporous Materials</i> , 2022, 333, 111665. | 4.4 | 2 |
| 5 | Tip-Induced In-Plane Ferroelectric Superstructure in Zigzag-Wrinkled BaTiO ₃ Thin Films. <i>Nano Letters</i> , 2022, 22, 2859-2866. | 9.1 | 11 |
| 6 | Elucidating the promoting role of Mo ₂ C in methane activation using Ni-xMo ₂ C/FAU to catalyze methane steam reforming. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121250. | 20.2 | 13 |
| 7 | 4D Printing of a Fully Biobased Shape Memory Copolyester via a UV-Assisted FDM Strategy. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6304-6312. | 6.7 | 14 |
| 8 | Machine-learning-guided reaction kinetics prediction towards solvent identification for chemical absorption of carbonyl sulfide. <i>Chemical Engineering Journal</i> , 2022, 444, 136662. | 12.7 | 8 |
| 9 | Reversible ionic liquids (RevILs) for the preparation of thermally stable SBA-15 supported gold nanoparticle catalysts. <i>Applied Catalysis A: General</i> , 2022, 643, 118725. | 4.3 | 1 |
| 10 | Constructing AgY@Cu-BTC hybrid composite for enhanced sulfides capture and moisture resistance. <i>Microporous and Mesoporous Materials</i> , 2022, 341, 112043. | 4.4 | 2 |
| 11 | Determining the hydration energetics on carbon-supported Ru catalysts: An adsorption calorimetry and density functional theory study. <i>Catalysis Today</i> , 2021, 365, 172-180. | 4.4 | 3 |
| 12 | Band structure engineering of van der Waals heterostructures using ferroelectric clamped sandwich structures. <i>Physical Review B</i> , 2021, 103, . | 3.2 | 11 |
| 13 | Synthesis of Imidazole-Based [30]Heptaphyrin and Stable Figure-Eight [60]Tetradecaphyrins via [5 + 2] Condensations in One Pot. <i>Organic Letters</i> , 2021, 23, 3746-3750. | 4.6 | 9 |
| 14 | Strain Control of Phase Transition and Exchange Bias in Flexible Heusler Alloy Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24285-24294. | 8.0 | 12 |
| 15 | Thermodynamic, Thermal, and Structural Stability of Bimetallic MIL-53 (Al _x Cr _{1-x}). <i>Journal of Physical Chemistry C</i> , 2021, 125, 14039-14047. | 3.1 | 10 |
| 16 | Tailoring Stress and Ion-Transport Kinetics via a Molecular Layer Deposition-Induced Artificial Solid Electrolyte Interphase for Durable Silicon Composite Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32520-32530. | 8.0 | 16 |
| 17 | Ultrasonic activation of inert poly(tetrafluoroethylene) enables piezocatalytic generation of reactive oxygen species. <i>Nature Communications</i> , 2021, 12, 3508. | 12.8 | 153 |
| 18 | Iridium(III)-Catalyzed Diarylation/Annulation of Benzoic Acids: Facile Access to Multi-Aryl Spirobifluorenes as Pure Hydrocarbon Hosts for High-Performance OLEDs. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18852-18859. | 13.8 | 32 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Unveiling the Interfacial and Structural Heterogeneity of $\text{Ti}_3\text{C}_2\text{T}_x$ MXene Etched with CoF_2/HCl by Integrated <i>in Situ</i> Thermal Analysis. ACS Applied Materials & Interfaces, 2021, 13, 52125-52133. | 8.0 | 10 |
| 20 | Thermodynamics of molybdenum trioxide encapsulated in zeolite Y. AICHE Journal, 2021, 67, e17464. | 3.6 | 2 |
| 21 | Formation Energetics and Guest-Host Interactions of Molybdenum Carbide Confined in Zeolite Y. Industrial & Engineering Chemistry Research, 2021, 60, 13991-14003. | 3.7 | 3 |
| 22 | Realizing the enhanced cyclability of a cactus-like NiCo_2O_4 nanocrystal anode fabricated by molecular layer deposition. Dalton Transactions, 2021, 50, 511-519. | 3.3 | 3 |
| 23 | Spontaneous self-formation of molecular ferroelectric heterostructures. Physical Chemistry Chemical Physics, 2021, 23, 3335-3340. | 2.8 | 1 |
| 24 | Structure-Property-Energetics Relationship of Organosulfide Capture Using Cu(I)/Cu(II)-BTC Edited by Valence Engineering. Industrial & Engineering Chemistry Research, 2021, 60, 371-377. | 3.7 | 8 |
| 25 | Energetics, Interlayer Molecular Structures, and Hydration Mechanisms of Dimethyl Sulfoxide (DMSO)-Kaolinite Nanoclay Guest-Host Interactions. Journal of Physical Chemistry Letters, 2021, 12, 9973-9981. | 4.6 | 9 |
| 26 | $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \hat{I}^2 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -delayed one-neutron emission probabilities within a neural network model. Physical Review C, 2021, 104, . | 2.9 | 7 |
| 27 | Atomic-scale fatigue mechanism of ferroelectric tunnel junctions. Science Advances, 2021, 7, eabh2716. | 10.3 | 25 |
| 28 | Ferroelectric Tunnel Junctions: Modulations on the Potential Barrier. Advanced Materials, 2020, 32, e1904123. | 21.0 | 179 |
| 29 | Liquid-solid solution synthesis of ultrafine $\text{Gd}_2\text{Zr}_2\text{O}_7$ nanoparticles with yield enhancement. Ceramics International, 2020, 46, 1216-1219. | 4.8 | 7 |
| 30 | Dehydration Pathway of $\text{CoF}_2 \cdot 4\text{H}_2\text{O}$ Revisited by Integrated ex Situ and in Situ Calorimetric and Structural Studies. Journal of Physical Chemistry C, 2020, 124, 3551-3556. | 3.1 | 3 |
| 31 | Pd(II) -Catalyzed Regioselective Multiple C-H Arylations of 1-Naphthamides with Cyclic Diaryliodonium Salts: One-Step Access to [4]- and [5]Carbohelicenes. Organic Letters, 2020, 22, 135-139. | 4.6 | 9 |
| 32 | Hydration Energetics of a Diamine-Appended Metal-Organic Framework Carbon Capture Sorbent. Journal of Physical Chemistry C, 2020, 124, 398-403. | 3.1 | 8 |
| 33 | Coexistence of Magnetic Orders in Two-Dimensional Magnet CrI_3 . Nano Letters, 2020, 20, 553-558. | 9.1 | 74 |
| 34 | Titanicene-derived TiO_2 quantum dot@carbon encapsulated ZnO nanorod anodes for stable lithium storage. Dalton Transactions, 2020, 49, 10866-10873. | 3.3 | 9 |
| 35 | Calculation of nuclear charge radii with a trained feed-forward neural network. Physical Review C, 2020, 102, . | 2.9 | 39 |
| 36 | Thermal Evolutions and Resulting Microstructural Changes in Kerogen-Rich Marcellus Shale. ACS Earth and Space Chemistry, 2020, 4, 2461-2469. | 2.7 | 6 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Thermodynamics of CeSiO ₄ : Implications for Actinide Orthosilicates. <i>Inorganic Chemistry</i> , 2020, 59, 13174-13183. | 4.0 | 18 |
| 38 | Mesoporous silica-encapsulated gold core-shell nanoparticles for active solvent-free benzyl alcohol oxidation. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1939-1949. | 3.7 | 5 |
| 39 | Spin-Filtering Ferroelectric Tunnel Junctions as Multiferroic Synapses for Neuromorphic Computing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56300-56309. | 8.0 | 37 |
| 40 | High-Temperature Thermodynamics of Cerium Silicates, A-Ce ₂ Si ₂ O ₇ , and Ce _{4.67} (SiO ₄) ₃ O. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 2129-2143. | 2.7 | 23 |
| 41 | <i>In Situ</i> Hydrothermal Conversion of Silica Gel Precursors to Binderless Zeolite X Pellets for Enhanced Olefin Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 9997-10009. | 3.7 | 8 |
| 42 | Conductivity Modulation of a Slit Channel in a Monolayer MoS ₂ Homostructure. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000082. | 2.4 | 0 |
| 43 | Thermodynamics of Water-Cationic Species Framework Guest-Host Interactions within Transition Metal Ion-Exchanged Mordenite Relevant to Selective Anaerobic Oxidation of Methane to Methanol. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4774-4784. | 4.6 | 8 |
| 44 | Ferroelastic-Domain-Assisted Mechanical Switching of Ferroelectric Domains in Pb(Zr,Ti)O ₃ Thin Films. <i>Advanced Electronic Materials</i> , 2020, 6, 2000300. | 5.1 | 12 |
| 45 | Small-angle Neutron Scattering (SANS) Characterization of Clay- and Carbonate-rich Shale at Elevated Pressures. <i>Energy & Fuels</i> , 2020, 34, 8178-8185. | 5.1 | 22 |
| 46 | Contributions of optimized tensor interactions on the binding energies of nuclei. <i>Nuclear Science and Techniques/Hewuli</i> , 2020, 31, 1. | 3.4 | 13 |
| 47 | Exchange-biased nanocomposite ferromagnetic insulator. <i>Physical Review B</i> , 2020, 101, . | 3.2 | 6 |
| 48 | A mechanistic study of mesoporous TiO ₂ nanoparticle negative electrode materials with varying crystallinity for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3333-3343. | 10.3 | 32 |
| 49 | He irradiation-induced lattice distortion and surface blistering of Gd ₂ Zr ₂ O ₇ defect-fluorite ceramics. <i>Journal of the American Ceramic Society</i> , 2020, 103, 3425-3435. | 3.8 | 20 |
| 50 | Real-time monitoring of surface acetone enolization and aldolization. <i>Catalysis Science and Technology</i> , 2020, 10, 935-939. | 4.1 | 4 |
| 51 | High pyroelectric performance due to ferroelectric-antiferroelectric transition near room temperature. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7820-7827. | 5.5 | 13 |
| 52 | Copper-catalyzed remote C-H arylation of polycyclic aromatic hydrocarbons (PAHs). <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 530-536. | 2.2 | 8 |
| 53 | Energetic Cost for Being a Redox-Site-Rich in Pseudocapacitive Energy Storage with Nickel-Aluminum Layered Double Hydroxide Materials. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3745-3753. | 4.6 | 11 |
| 54 | Planetary ball-milling of AlON powder for highly transparent ceramics. <i>Journal of the American Ceramic Society</i> , 2019, 102, 2377-2389. | 3.8 | 29 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 55 | Comparison of chemical stability and corrosion resistance of group IV metal oxide films formed by thermal and plasma-enhanced atomic layer deposition. <i>Scientific Reports</i> , 2019, 9, 10438. | 3.3 | 30 |
| 56 | Tuning n -Alkane Adsorption on Mixed-Linker Zeolitic Imidazolate Framework-8-90 via Controllable Ligand Hybridization: Insight into the Confinement from an Energetics Perspective. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 13274-13283. | 3.7 | 13 |
| 57 | Thermodynamics of Complex Solids. <i>Journal of Materials Research</i> , 2019, 34, 3241-3242. | 2.6 | 2 |
| 58 | Inhibition of $\text{AlF}_3 \cdot 3\text{H}_2\text{O}$ Impurity Formation in $\text{Ti}_3\text{C}_2\text{T}_x$ MXene Synthesis under a Unique CoF_2/HCl Etching Environment. <i>ACS Applied Energy Materials</i> , 2019, 2, 8145-8152. | 5.1 | 39 |
| 59 | Double ortho-C-H Activation/Annulation of Benzamides with Aryl Alkynes: A Route to Double-Helical Polycyclic Heteroaromatics. <i>Journal of Organic Chemistry</i> , 2019, 84, 15697-15705. | 3.2 | 18 |
| 60 | Surface energetics of carbon nanotubes-based nanocomposites fabricated by microwave-assisted approach. <i>Journal of Materials Research</i> , 2019, 34, 3361-3367. | 2.6 | 4 |
| 61 | Manipulating Oxidation States of Copper within Cu-BTC Using $\text{Na}_2\text{S}_2\text{O}_3$ as a New Strategy for Enhanced Adsorption of Sulfide. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 19503-19510. | 3.7 | 14 |
| 62 | Recent advances in experimental thermodynamics of metal-organic frameworks. <i>Powder Diffraction</i> , 2019, 34, 297-301. | 0.2 | 4 |
| 63 | Oxidative C-H/C-H Cross-Coupling of [1,2,4]Triazolo[1,5- a]pyrimidines with Indoles and Pyrroles: Discovering Excited-State Intramolecular Proton Transfer (ESIPT) Fluorophores. <i>Organic Letters</i> , 2019, 21, 4058-4062. | 4.6 | 25 |
| 64 | Energetics of hydration on uranium oxide and peroxide surfaces. <i>Journal of Materials Research</i> , 2019, 34, 3319-3325. | 2.6 | 9 |
| 65 | An unusual [4 + 2] fusion strategy to forge meso-N/O-heteroarene-fused (quinoidal) porphyrins with intense near-infrared Q-bands. <i>Chemical Science</i> , 2019, 10, 7274-7280. | 7.4 | 20 |
| 66 | Transient directing ligand- and solvent-controlled C-H/C-H cross-coupling/quaternization cyclization/dequaternization of benzaldehydes with thiophenes. <i>Chemical Communications</i> , 2019, 55, 7518-7521. | 4.1 | 21 |
| 67 | Tuning Ni/Al Ratio to Enhance Pseudocapacitive Charge Storage Properties of Nickel-Aluminum Layered Double Hydroxide. <i>Advanced Electronic Materials</i> , 2019, 5, 1900215. | 5.1 | 39 |
| 68 | Tuning 1-hexene/n-hexane adsorption on MOF-74 via constructing Co-Mg bimetallic frameworks. <i>Microporous and Mesoporous Materials</i> , 2019, 284, 151-160. | 4.4 | 51 |
| 69 | The effects of precipitants on co-precipitation synthesis of yttria-stabilized zirconia nanocrystalline powders. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 90, 359-368. | 2.4 | 29 |
| 70 | Imaging quantum spin Hall edges in monolayer WTe_2 . <i>Science Advances</i> , 2019, 5, eaat8799. | 10.3 | 113 |
| 71 | Defect-fluorite $\text{Gd}_2\text{Zr}_2\text{O}_7$ ceramics under helium irradiation: Amorphization, cell volume expansion, and multi-stage bubble formation. <i>Journal of the American Ceramic Society</i> , 2019, 102, 4911-4918. | 3.8 | 24 |
| 72 | Rapid preparation of dense $\text{Gd}_2\text{Zr}_2\text{O}_7$ nano-grain ceramics by microwave sintering in air. <i>Ceramics International</i> , 2019, 45, 10930-10935. | 4.8 | 11 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 73 | Surface morphology and microstructure evolution of B4C ceramic hollow microspheres prepared by wet coating method on a pyrolysis substrate. <i>Ceramics International</i> , 2019, 45, 7916-7922. | 4.8 | 7 |
| 74 | Tuning the Catalytic Activity and Stability of Al-Ti Bimetallic Species Immobilized on MgO-Al ₂ O ₃ -SiO ₂ for 1-Decene Oligomerization. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 6664-6672. | 3.7 | 7 |
| 75 | Enhanced Grain Growth Behavior of Ferritic Steel during Continuous Cyclic Annealing. <i>Steel Research International</i> , 2018, 89, 1800222. | 1.8 | 0 |
| 76 | One-pot synthesis of binderless zeolite A spheres via <i>in situ</i> hydrothermal conversion of silica gel precursors. <i>AIChE Journal</i> , 2018, 64, 4027-4038. | 3.6 | 12 |
| 77 | Construction of 3,7-Dithienyl Phenothiazine-Based Organic Dyes via Multistep Direct C-H Arylation Reactions. <i>Journal of Organic Chemistry</i> , 2018, 83, 8114-8126. | 3.2 | 14 |
| 78 | Rapid preparation and uniformity control of B4C ceramic double-curvature shells: Aim to advance its applications as ICF capsules. <i>Journal of Alloys and Compounds</i> , 2018, 762, 67-72. | 5.5 | 12 |
| 79 | Pd-Catalyzed Direct C-H Functionalization/Annulation of BODIPYs with Alkynes to Access Unsymmetrical Benzo[<i>b</i>]-Fused BODIPYs: Discovery of Lysosome-Targeted Turn-On Fluorescent Probes. <i>Journal of Organic Chemistry</i> , 2018, 83, 9538-9546. | 3.2 | 38 |
| 80 | Fabrication and Characterization of ZnO Nano-Clips by the Polyol-Mediated Process. <i>Nanoscale Research Letters</i> , 2018, 13, 47. | 5.7 | 14 |
| 81 | Seeding Iron Trifluoride Nanoparticles on Reduced Graphite Oxide for Lithium-Ion Batteries with Enhanced Loading and Stability. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29505-29510. | 8.0 | 21 |
| 82 | Tailoring Mesoporous Al ₂ O ₃ Properties by Transition Metal Doping: A Combined Experimental and Computational Study. <i>Chemistry of Materials</i> , 2017, 29, 1338-1349. | 6.7 | 52 |
| 83 | Unexpected Sole Enol-Form Emission of 2-(2-Hydroxyphenyl)oxazoles for Highly Efficient Deep-Blue-Emitting Organic Electroluminescent Devices. <i>Advanced Functional Materials</i> , 2017, 27, 1605245. | 14.9 | 72 |
| 84 | Structure and energetics of SiOC and SiOC-modified carbon-bonded carbon fiber composites. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3693-3702. | 3.8 | 32 |
| 85 | High-resolution characterization of multiferroic heterojunction using aberration-corrected scanning transmission electron microscopy. <i>Applied Physics Letters</i> , 2017, 110, . | 3.3 | 10 |
| 86 | Giant tunnelling electroresistance in metal/ferroelectric/semiconductor tunnel junctions by engineering the Schottky barrier. <i>Nature Communications</i> , 2017, 8, 15217. | 12.8 | 165 |
| 87 | High-Performance Ruthenium Sensitizers Containing Imidazolium Counterions for Efficient Dye Sensitization in Water. <i>ChemSusChem</i> , 2017, 10, 2914-2921. | 6.8 | 4 |
| 88 | Probing the Energetics of Molecule-Material Interactions at Interfaces and in Nanopores. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26141-26154. | 3.1 | 18 |
| 89 | Functionalized fullerenes for highly efficient lithium ion storage: Structure-property-performance correlation with energy implications. <i>Nano Energy</i> , 2017, 40, 327-335. | 16.0 | 49 |
| 90 | Synthesis of Phenalenyl-Fused Pyrylium Cations: Divergent C-H Activation/Annulation Reaction Sequence of Naphthalene Aldehydes with Alkynes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13094-13098. | 13.8 | 71 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | Metal-Modified Cu-BTC Acid for Highly Enhanced Adsorption of Organosulfur Species. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 9541-9550. | 3.7 | 33 |
| 92 | Calorimetric Study of Alkali Metal Ion (K ⁺ , Na ⁺ , Li ⁺) Exchange in a Clay-Like MXene. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15145-15153. | 3.1 | 31 |
| 93 | Densification and grain growth of Gd ₂ Zr ₂ O ₇ nanoceramics during pressureless sintering. <i>Journal of the European Ceramic Society</i> , 2017, 37, 1059-1065. | 5.7 | 39 |
| 94 | Rapid Access to 2,2'-Bithiazole-Based Copolymers via Sequential Palladium-Catalyzed C-H/X and C-H/C-H Coupling Reactions. <i>Macromolecular Rapid Communications</i> , 2016, 37, 794-798. | 3.9 | 23 |
| 95 | Chemical strain-dependent two-dimensional transport at $R\text{AlO}$ interfaces | | |

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 109 | Unparalleled Ease of Access to a Library of Biheteroaryl Fluorophores via Oxidative Cross-Coupling Reactions: Discovery of Photostable NIR Probe for Mitochondria. <i>Journal of the American Chemical Society</i> , 2016, 138, 4730-4738. | 13.7 | 181 |
| 110 | U(MgUO_4) in metal uranates: a combined experimental and theoretical study of MgUO_4 , CrUO_4 , and FeUO_4 . <i>Dalton Transactions</i> , 2016, 45, 4622-4632. | 3.3 | 45 |
| 111 | Thermodynamics of solvent interaction with the metal-organic framework MOF-5. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 1158-1162. | 2.8 | 30 |
| 112 | The Polymerization Effect on Synthesis and Visible-Light Photocatalytic Properties of Low-Temperature BiNbO_4 Using Nb-Citrate Precursor. <i>Nanoscale Research Letters</i> , 2015, 10, 457. | 5.7 | 15 |
| 113 | Rhodium(III)-Catalyzed <i>ortho</i> -Heteroarylation of Phenols through Internal Oxidative C-H Activation: Rapid Screening of Single-Molecular White-Light-Emitting Materials. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14008-14012. | 13.8 | 133 |
| 114 | Magnetic interactions in $\text{BiFe}_{0.5}\text{Mn}_{0.5}\text{O}_3$ films and $\text{BiFeO}_3/\text{BiMnO}_3$ superlattices. <i>Scientific Reports</i> , 2015, 5, 9093. | 3.3 | 40 |
| 115 | Interface modulation and resistive switching evolution in $\text{Pt}/\text{NiO}_x/\text{Al}_2\text{O}_3/\text{n}^+\text{Si}$ structure. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 1365-1370. | 2.3 | 2 |
| 116 | Thermodynamics of Methane Adsorption on Copper HKUST-1 at Low Pressure. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2439-2443. | 4.6 | 23 |
| 117 | Energy Landscape of Water and Ethanol on Silica Surfaces. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15428-15433. | 3.1 | 32 |
| 118 | Molecular design of new organic sensitizers based on thieno[1,4]benzothiazine for dye-sensitized solar cells. <i>RSC Advances</i> , 2015, 5, 56865-56871. | 3.6 | 6 |
| 119 | Electromechanical Response from $\text{LaAlO}_3/\text{SrTiO}_3$ Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10146-10151. | 8.0 | 13 |
| 120 | Rhodium(III)-Catalyzed <i>ortho</i> -C-H Heteroarylation of (Hetero)aromatic Carboxylic Acids: A Rapid and Concise Access to β -Conjugated Polyheterocycles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7167-7170. | 13.8 | 122 |
| 121 | Probing the energetics of organic-nanoparticle interactions of ethanol on calcite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5314-5318. | 7.1 | 21 |
| 122 | Novel Ruthenium Sensitizers with a Phenothiazine Conjugated Bipyridyl Ligand for High-Efficiency Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27831-27837. | 8.0 | 45 |
| 123 | Thermodynamics of metal-organic frameworks. <i>Journal of Solid State Chemistry</i> , 2015, 223, 53-58. | 2.9 | 44 |
| 124 | Synthesis of Water-Soluble Cyclen-Functionalised Fullerene C_{60} Derivatives. <i>Journal of Chemical Research</i> , 2014, 38, 251-253. | 1.3 | 0 |
| 125 | Effects of Al_2O_3 phase composition on AlON powder synthesis via aluminothermic reduction and nitridation. <i>International Journal of Materials Research</i> , 2014, 105, 409-412. | 0.3 | 9 |
| 126 | Growth of high-density Ir nanocrystals by atomic layer deposition for nonvolatile nanocrystal memory applications. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2014, 32, 042201. | 1.2 | 5 |

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 127 | Guest-host interactions of a rigid organic molecule in porous silica frameworks. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1720-1725. | 7.1 | 45 |
| 128 | Two-step preparation of AlON transparent ceramics with powder synthesized by aluminothermic reduction and nitridation method. Journal of Materials Research, 2014, 29, 2325-2331. | 2.6 | 39 |
| 129 | Energetics of Confinement of n -Hexane in Ca-Na Ion Exchanged Zeolite A. Journal of Physical Chemistry C, 2014, 118, 25590-25596. | 3.1 | 18 |
| 130 | Regioselective Decarboxylative Direct C-H Arylation of Boron Dipyrromethenes (BODIPYs) at 2,6-Positions: A Facile Access to a Diversity-Oriented BODIPY Library. Organic Letters, 2014, 16, 6080-6083. | 4.6 | 80 |
| 131 | Above-room-temperature molecular ferroelectric and fast switchable dielectric of diisopropylammonium perchlorate. Journal of Materials Chemistry C, 2014, 2, 9957-9963. | 5.5 | 53 |
| 132 | Energy landscape of self-assembled superlattices of PbSe nanocrystals. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9054-9057. | 7.1 | 29 |
| 133 | Resistive switching in BiFeO_3 -based heterostructures due to ferroelectric modulation on interface Schottky barriers. Journal of Materials Science: Materials in Electronics, 2014, 25, 3251-3256. | 2.2 | 13 |
| 134 | A Comparative Study of Fibroblast Behaviors under Cyclic Stress Stimulus and Static Culture on 3D Patterned Matrix. Journal of Bionic Engineering, 2013, 10, 148-155. | 5.0 | 3 |
| 135 | Small molecule-silica interactions in porous silica structures. Geochimica Et Cosmochimica Acta, 2013, 109, 38-50. | 3.9 | 35 |
| 136 | Direct Calorimetric Measurement of Enthalpy of Adsorption of Carbon Dioxide on CD-MOF-2, a Green Metal-Organic Framework. Journal of the American Chemical Society, 2013, 135, 6790-6793. | 13.7 | 140 |
| 137 | Low-temperature synthesis of $\text{K}_0.5\text{FeF}_3$ with tunable exchange bias. Applied Physics Letters, 2013, 103, 102405. | 3.3 | 5 |
| 138 | Regioselective Synthesis of 2- and 3-Substituted Imidazo[1,2- <i>a</i>]pyridines. Journal of Chemical Research, 2012, 36, 687-690. | 1.3 | 12 |
| 139 | The ferromagnetic and ferroelectric properties of $(\text{Bi}_{0.9}\text{La}_{0.1})(\text{Fe}_{0.95}\text{Co}_{0.05})\text{O}_3$. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 133-136. | 0.8 | 0 |
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