## Geoffrey A Ozin

List of Publications by Year in descending order

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246 papers

20,692 citations

9264 74 h-index 140 g-index

266 all docs 266 docs citations

266 times ranked 18390 citing authors

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Large-scale synthesis of a silicon photonic crystal with a complete three-dimensional bandgap near 1.5 micrometres. Nature, 2000, 405, 437-440.  | 27.8 | 1,512     |
| 2  | Synthesis of inorganic materials with complex form. Nature, 1996, 382, 313-318.  | 27.8 | 1,130     |
| 3  | Photonic-crystal full-colour displays. Nature Photonics, 2007, 1, 468-472.   | 31.4 | 822       |
| 4  | Synthesis of oriented films of mesoporous silica on mica. Nature, 1996, 379, 703-705.  | 27.8 | 705       |
| 5  | Morphogenesis of shapes and surface patterns in mesoporous silica. Nature, 1997, 386, 692-695.   | 27.8 | 675       |
| 6  | Greening Ammonia toward the Solar Ammonia Refinery. Joule, 2018, 2, 1055-1074.   | 24.0 | 603       |
| 7  | Free-standing and oriented mesoporous silica films grown at the air–water interface. Nature, 1996, 381, 589-592.   | 27.8 | 566       |
| 8  | From colour fingerprinting to the control of photoluminescence in elastic photonic crystals. Nature Materials, 2006, 5, 179-184.   | 27.5 | 392       |
| 9  | Promoted Fixation of Molecular Nitrogen with Surface Oxygen Vacancies on Plasmonâ€Enhanced TiO <sub>2</sub> Photoelectrodes. Angewandte Chemie - International Edition, 2018, 57, 5278-5282.             | 13.8 | 365       |
| 10 | Lamellar aluminophosphates with surface patterns that mimic diatom and radiolarian microskeletons. Nature, 1995, 378, 47-50.   | 27.8 | 358       |
| 11 | Advanced Zeolite, Materials Science. Angewandte Chemie International Edition in English, 1989, 28, 359-376.  | 4.4  | 342       |
| 12 | Synthesis of Black TiO <i><sub></sub></i> Nanoparticles by Mg Reduction of TiO <sub>2</sub> Nanocrystals and their Application for Solar Water Evaporation. Advanced Energy Materials, 2017, 7, 1601811. | 19.5 | 326       |
| 13 | Heterogeneous catalytic hydrogenation of CO <sub>2</sub> by metal oxides: defect engineering – perfecting imperfection. Chemical Society Reviews, 2017, 46, 4631-4644.                                   | 38.1 | 304       |
| 14 | Fundamentals and applications of photocatalytic CO2 methanation. Nature Communications, 2019, 10, 3169.  | 12.8 | 304       |
| 15 | Principles of photothermal gas-phase heterogeneous CO <sub>2</sub> catalysis. Energy and Environmental Science, 2019, 12, 1122-1142.   | 30.8 | 300       |
| 16 | Size-Dependent Absolute Quantum Yields for Size-Separated Colloidally-Stable Silicon Nanocrystals. Nano Letters, 2012, 12, 337-342.  | 9.1  | 299       |
| 17 | A New Model for Aluminophosphate Formation: Transformation of a Linear Chain Aluminophosphate to Chain, Layer, and Framework Structures. Angewandte Chemie - International Edition, 1998, 37, 46-62.     | 13.8 | 279       |
| 18 | Shaped Ceramics with Tunable Magnetic Properties from Metal-Containing Polymers. Science, 2000, 287, 1460-1463.  | 12.6 | 266       |

| #  | Article  | IF            | CITATIONS |
|----|--|---------------|-----------|
| 19 | Novel Bifunctional Periodic Mesoporous Organosilicas, BPMOs:Â Synthesis, Characterization, Properties and in-Situ Selective Hydroborationâ'Alcoholysis Reactions of Functional Groups. Journal of the American Chemical Society, 2001, 123, 8520-8530.                           | 13.7          | 260       |
| 20 | Solution phase synthesis of carbon quantum dots as sensitizers for nanocrystalline TiO <sub>2</sub> solar cells. Journal of Materials Chemistry, 2012, 22, 1265-1269.  | 6.7           | 255       |
| 21 | Challenges and advances in the chemistry of periodic mesoporous organosilicas (PMOs). Journal of Materials Chemistry, 2005, 15, 3716.  | 6.7           | 252       |
| 22 | Efficient Electrocatalytic Reduction of CO <sub>2</sub> by Nitrogenâ€Doped Nanoporous Carbon/Carbon Nanotube Membranes: A Step Towards the Electrochemical CO <sub>2</sub> Refinery. Angewandte Chemie - International Edition, 2017, 56, 7847-7852.                             | 13.8          | 252       |
| 23 | Cu2O nanocubes with mixed oxidation-state facets for (photo)catalytic hydrogenation of carbon dioxide. Nature Catalysis, 2019, 2, 889-898.   | 34.4          | 234       |
| 24 | Stacking the Nanochemistry Deck: Structural and Compositional Diversity in Oneâ€Dimensional Photonic Crystals. Advanced Materials, 2009, 21, 1641-1646.  | 21.0          | 223       |
| 25 | Photoexcited Surface Frustrated Lewis Pairs for Heterogeneous Photocatalytic CO <sub>2</sub> Reduction. Journal of the American Chemical Society, 2016, 138, 1206-1214.  | 13.7          | 210       |
| 26 | Greenhouse-inspired supra-photothermal CO2 catalysis. Nature Energy, 2021, 6, 807-814.   | 39 <b>.</b> 5 | 198       |
| 27 | Black indium oxide a photothermal CO2 hydrogenation catalyst. Nature Communications, 2020, 11, 2432.   | 12.8          | 192       |
| 28 | Illuminating CO <sub>2</sub> reduction on frustrated Lewis pair surfaces: investigating the role of surface hydroxides and oxygen vacancies on nanocrystalline In <sub>2</sub> O <sub>3â^x</sub> (OH) <sub>y</sub> . Physical Chemistry Chemical Physics, 2015, 17, 14623-14635. | 2.8           | 186       |
| 29 | Panoscopic materials: synthesis over †all' length scales. Chemical Communications, 2000, , 419-432.  | 4.1           | 183       |
| 30 | The Rational Design of a Singleâ€Component Photocatalyst for Gasâ€Phase CO <sub>2</sub> Reduction Using Both UV and Visible Light. Advanced Science, 2014, 1, 1400013.   | 11.2          | 182       |
| 31 | Tuning Cu/Cu <sub>2</sub> O Interfaces for the Reduction of Carbon Dioxide to Methanol in Aqueous Solutions. Angewandte Chemie - International Edition, 2018, 57, 15415-15419.   | 13.8          | 175       |
| 32 | The nature of active sites for carbon dioxide electroreduction over oxide-derived copper catalysts. Nature Communications, 2021, 12, 395.  | 12.8          | 170       |
| 33 | New nanocomposites: putting organic function "inside―the channel walls of periodic mesoporous silica. Journal of Materials Chemistry, 2000, 10, 1751-1755.   | 6.7           | 166       |
| 34 | Niobium and Titanium Carbides (MXenes) as Superior Photothermal Supports for CO <sub>2</sub> Photocatalysis. ACS Nano, 2021, 15, 5696-5705.  | 14.6          | 164       |
| 35 | Ambient Electrosynthesis of Ammonia: Electrode Porosity and Composition Engineering. Angewandte Chemie - International Edition, 2018, 57, 12360-12364.   | 13.8          | 160       |
| 36 | Photomethanation of Gaseous CO <sub>2</sub> over Ru/Silicon Nanowire Catalysts with Visible and Nearâ€Infrared Photons. Advanced Science, 2014, 1, 1400001.  | 11.2          | 150       |

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|----|---|------|-----------|
| 37 | Photocatalytic Hydrogenation of Carbon Dioxide with High Selectivity to Methanol at Atmospheric Pressure. Joule, 2018, 2, 1369-1381.  | 24.0 | 148       |
| 38 | Throwing New Light on the Reduction of CO <sub>2</sub> . Advanced Materials, 2015, 27, 1957-1963.   | 21.0 | 145       |
| 39 | The Role of Defects in the Formation of Mesoporous Silica Fibers, Films, and Curved Shapes. Advanced Materials, 1998, 10, 883-887.  | 21.0 | 144       |
| 40 | Clay Bragg Stack Optical Sensors. Advanced Materials, 2008, 20, 4079-4084.  | 21.0 | 139       |
| 41 | Chemically Addressable Perovskite Nanocrystals for Lightâ€Emitting Applications. Advanced Materials, 2017, 29, 1701153.   | 21.0 | 139       |
| 42 | Synergy of Slow Photon and Chemically Amplified Photochemistry in Platinum Nanocluster-Loaded Inverse Titania Opals. Journal of the American Chemical Society, 2008, 130, 5420-5421.  | 13.7 | 137       |
| 43 | Slow photons in the fast lane in chemistry. Journal of Materials Chemistry, 2008, 18, 369-373.  | 6.7  | 135       |
| 44 | Visible and Nearâ€Infrared Photothermal Catalyzed Hydrogenation of Gaseous CO <sub>2</sub> over Nanostructured Pd@Nb <sub>2</sub> O <sub>5</sub> . Advanced Science, 2016, 3, 1600189.  | 11.2 | 133       |
| 45 | Bismuth atom tailoring of indium oxide surface frustrated Lewis pairs boosts heterogeneous CO2 photocatalytic hydrogenation. Nature Communications, 2020, $11$ , 6095.  | 12.8 | 129       |
| 46 | Living Atomically Dispersed Cu Ultrathin TiO <sub>2</sub> Nanosheet CO <sub>2</sub> Reduction Photocatalyst. Advanced Science, 2019, 6, 1900289.  | 11.2 | 128       |
| 47 | Towards the synthetic all-optical computer: science fiction or reality?. Journal of Materials<br>Chemistry, 2004, 14, 781-794.  | 6.7  | 120       |
| 48 | Spatial Separation of Charge Carriers in In <sub>2</sub> O <sub>3â€"<i>x</i>CH)<sub><i>y</i>CH)<sub><i>y</i>CH)</sub>Nanocrystal Superstructures for Enhanced Gas-Phase Photocatalytic Activity. ACS Nano, 2016, 10, 5578-5586.</sub></sub> | 14.6 | 118       |
| 49 | Catalytic CO2 reduction by palladium-decorated silicon–hydride nanosheets. Nature Catalysis, 2019, 2, 46-54.  | 34.4 | 116       |
| 50 | Nanotechnologyâ€Enabled Closed Loop Insulin Delivery Device: In Vitro and In Vivo Evaluation of Glucoseâ€Regulated Insulin Release for Diabetes Control. Advanced Functional Materials, 2011, 21, 73-82.                                    | 14.9 | 113       |
| 51 | Ring-Opening Polymerization of a [1]Silaferrocenophane Within the Channels of Mesoporous Silica: Poly(ferrocenylsilane)-MCM-41 Precursors to Magnetic Iron Nanostructures. Advanced Materials, 1998, 10, 144-149.                           | 21.0 | 109       |
| 52 | Nanostructured Indium Oxide Coated Silicon Nanowire Arrays: A Hybrid Photothermal/Photochemical Approach to Solar Fuels. ACS Nano, 2016, 10, 9017-9025.   | 14.6 | 109       |
| 53 | Cobalt Plasmonic Superstructures Enable Almost 100% Broadband Photon Efficient CO <sub>2</sub> Photocatalysis. Advanced Materials, 2020, 32, e2000014.  | 21.0 | 109       |
| 54 | Efficient CO2 electroreduction on facet-selective copper films with high conversion rate. Nature Communications, 2021, 12, 5745.  | 12.8 | 108       |

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|----|---|------|-----------|
| 55 | Pore architecture affects photocatalytic activity of periodic mesoporous nanocrystalline anatase thin films. Journal of Materials Chemistry, 2007, 17, 82-89.   | 6.7  | 106       |
| 56 | Nickel@Siloxene catalytic nanosheets for high-performance CO2 methanation. Nature Communications, 2019, 10, 2608.   | 12.8 | 104       |
| 57 | Polymorph selection towards photocatalytic gaseous CO2 hydrogenation. Nature Communications, 2019, 10, 2521.  | 12.8 | 102       |
| 58 | Mesoporous silica with micrometer-scale designs. Advanced Materials, 1997, 9, 811-814.  | 21.0 | 97        |
| 59 | Photothermal Catalyst Engineering: Hydrogenation of Gaseous CO <sub>2</sub> with High Activity and Tailored Selectivity. Advanced Science, 2017, 4, 1700252.  | 11.2 | 97        |
| 60 | Title is missing!. Journal of Materials Chemistry, 2001, 11, 3202-3206.   | 6.7  | 95        |
| 61 | Color from colorless nanomaterials: Bragg reflectors made of nanoparticles. Journal of Materials Chemistry, 2009, 19, 3500.   | 6.7  | 95        |
| 62 | Surface-engineered sponges for recovery of crude oil microdroplets from wastewater. Nature Sustainability, 2020, 3, 136-143.  | 23.7 | 94        |
| 63 | Heterogeneous reduction of carbon dioxide by hydride-terminated silicon nanocrystals. Nature Communications, 2016, 7, 12553.  | 12.8 | 93        |
| 64 | Band Engineering of Carbon Nitride Monolayers by N-Type, P-Type, and Isoelectronic Doping for Photocatalytic Applications. ACS Applied Materials & Samp; Interfaces, 2018, 10, 11143-11151.   | 8.0  | 92        |
| 65 | Tailoring Surface Frustrated Lewis Pairs of In <sub>2</sub> O <sub>3â°</sub> <i><sub>x</sub></i> (OH) <sub>y</sub> for Gasâ€Phase Heterogeneous Photocatalytic Reduction of CO <sub>2</sub> by Isomorphous Substitution of In <sup>3+</sup> with Bi <sup>3+</sup> . Advanced Science, 2018, 5, 1700732. | 11.2 | 91        |
| 66 | Shining light on CO <sub>2</sub> : from materials discovery to photocatalyst, photoreactor and process engineering. Chemical Society Reviews, 2020, 49, 5648-5663.  | 38.1 | 91        |
| 67 | Hydrogen Spillover to Oxygen Vacancy of TiO <sub>2–<i>x</i></sub> H <sub><i>y</i></sub> /Fe: Breaking the Scaling Relationship of Ammonia Synthesis. Journal of the American Chemical Society, 2020, 142, 17403-17412.  | 13.7 | 91        |
| 68 | Carrier dynamics and the role of surface defects: Designing a photocatalyst for gas-phase CO <sub>2</sub> reduction. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8011-E8020.   | 7.1  | 89        |
| 69 | Silicon Photovoltaics Using Conducting Photonic Crystal Backâ€Reflectors. Advanced Materials, 2008, 20, 1577-1582.  | 21.0 | 84        |
| 70 | Enhanced photothermal reduction of gaseous CO <sub>2</sub> over silicon photonic crystal supported ruthenium at ambient temperature. Energy and Environmental Science, 2018, 11, 3443-3451.   | 30.8 | 83        |
| 71 | High-performance light-driven heterogeneous CO2 catalysis with near-unity selectivity on metal phosphides. Nature Communications, 2020, 11, 5149.   | 12.8 | 82        |
| 72 | Surface Analogues of Molecular Frustrated Lewis Pairs in Heterogeneous CO <sub>2</sub> Hydrogenation Catalysis. ACS Catalysis, 2016, 6, 5764-5770.  | 11.2 | 80        |

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|----|---|-------------|-----------|
| 73 | Metadynamics-Biased ab Initio Molecular Dynamics Study of Heterogeneous CO <sub>2</sub> Reduction via Surface Frustrated Lewis Pairs. ACS Catalysis, 2016, 6, 7109-7117.  | 11.2        | 78        |
| 74 | Efficient Electrocatalytic Reduction of CO <sub>2</sub> by Nitrogenâ€Doped Nanoporous Carbon/Carbon Nanotube Membranes: A Step Towards the Electrochemical CO <sub>2</sub> Refinery. Angewandte Chemie, 2017, 129, 7955-7960.   | 2.0         | 78        |
| 75 | Mixed Surfactant Assemblies in the Synthesis of Mesoporous Silicas. Chemistry of Materials, 1996, 8, 2188-2193.   | 6.7         | 76        |
| 76 | Persistent CO2 photocatalysis for solar fuels in the dark. Nature Sustainability, 2021, 4, 466-473.   | 23.7        | 74        |
| 77 | Ordered 2D arrays of ferromagnetic Fe/Co nanoparticle rings from a highly metallized metallopolymer precursor. Journal of Materials Chemistry, 2004, 14, 1686.  | 6.7         | 73        |
| 78 | Room‶emperature Activation of H <sub>2</sub> by a Surface Frustrated Lewis Pair. Angewandte Chemie - International Edition, 2019, 58, 9501-9505.  | 13.8        | 72        |
| 79 | Heterogeneous photocatalysis with inverse titania opals: probing structural and photonic effects.<br>Journal of Materials Chemistry, 2009, 19, 2675.  | 6.7         | 70        |
| 80 | Layer-by-Layer Self-Assembly of Organicâ^'Organometallic Polymer Electrostatic Superlattices Using Poly(ferrocenylsilanes). Langmuir, 2000, 16, 9609-9614.  | <b>3.</b> 5 | 68        |
| 81 | Towards Solar Methanol: Past, Present, and Future. Advanced Science, 2019, 6, 1801903.  | 11.2        | 63        |
| 82 | Tungsten inverse opals: The influence of absorption on the photonic band structure in the visible spectral region. Applied Physics Letters, 2004, 84, 224-226.  | 3.3         | 61        |
| 83 | Highly Efficient Ambient Temperature CO <sub>2</sub> Photomethanation Catalyzed by Nanostructured RuO <sub>2</sub> on Silicon Photonic Crystal Support. Advanced Energy Materials, 2018, 8, 1702277.  | 19.5        | 58        |
| 84 | Crowd oil not crude oil. Nature Communications, 2019, 10, 1818.   | 12.8        | 58        |
| 85 | Thermally Stable Selfâ€assembling Openâ€Frameworks: Isostructural Cs <sup>+</sup> and (CH <sub>3</sub> ) <sub>4</sub> N <sup>+</sup> Iron Germanium Sulfides. Chemische Berichte, 1996, 129, 283-287.   | 0.2         | 56        |
| 86 | Theoretical Investigation: 2D N-Graphdiyne Nanosheets as Promising Anode Materials for Li/Na Rechargeable Storage Devices. ACS Applied Nano Materials, 2019, 2, 127-135.  | 5.0         | 56        |
| 87 | High-Performance, Scalable, and Low-Cost Copper Hydroxyapatite for Photothermal CO2 Reduction.<br>ACS Catalysis, 2020, 10, 13668-13681.   | 11.2        | 55        |
| 88 | Effect of Precursor Selection on the Photocatalytic Performance of Indium Oxide Nanomaterials for Gas-Phase CO <sub>2</sub> Reduction. Chemistry of Materials, 2016, 28, 4160-4168.   | 6.7         | 52        |
| 89 | Pd@H <sub><i>y</i></sub> WO <sub>3–<i>x</i></sub> Nanowires Efficiently Catalyze the CO <sub>2</sub> Heterogeneous Reduction Reaction with a Pronounced Light Effect. ACS Applied Materials & Applied & Applied Materials & Applied | 8.0         | 52        |
| 90 | How to make an efficient gas-phase heterogeneous CO <sub>2</sub> hydrogenation photocatalyst. Energy and Environmental Science, 2020, 13, 3054-3063.  | 30.8        | 52        |

| #   | Article  | IF   | Citations |
|-----|--|------|-----------|
| 91  | Non-aqueous synthesis of mesostructured tin dioxide. Journal of Materials Chemistry, 2003, 13, 969-974.  | 6.7  | 51        |
| 92  | The synthesis of mesostructured silica films and monoliths functionalised by noble metal nanoparticles. Journal of Materials Chemistry, 2003, 13, 328-334.   | 6.7  | 51        |
| 93  | Activation of Ultrathin Films of Hematite for Photoelectrochemical Water Splitting via H <sub>2</sub> Treatment. ChemSusChem, 2015, 8, 1557-1567.  | 6.8  | 51        |
| 94  | Intrazeolite Topotaxy. Advanced Materials, 1992, 4, 11-22.   | 21.0 | 48        |
| 95  | Sizeâ€Tunable Photothermal Germanium Nanocrystals. Angewandte Chemie - International Edition, 2017, 56, 6329-6334.   | 13.8 | 47        |
| 96  | New black indium oxideâ€"tandem photothermal CO2-H2 methanol selective catalyst. Nature Communications, 2022, 13, 1512.  | 12.8 | 47        |
| 97  | Measurement of group velocity dispersion for finite size three-dimensional photonic crystals in the near-infrared spectral region. Applied Physics Letters, 2005, 86, 053108.                          | 3.3  | 46        |
| 98  | Promoted Fixation of Molecular Nitrogen with Surface Oxygen Vacancies on Plasmonâ€Enhanced TiO <sub>2</sub> Photoelectrodes. Angewandte Chemie, 2018, 130, 5376-5380.                                  | 2.0  | 45        |
| 99  | Switchingâ€On Quantum Size Effects in Silicon Nanocrystals. Advanced Materials, 2015, 27, 746-749.   | 21.0 | 43        |
| 100 | Vapor swellable colloidal photonic crystals with pressure tunability. Journal of Materials Chemistry, 2005, 15, 133-138.   | 6.7  | 42        |
| 101 | Green Syngas by Solar Dry Reforming. Joule, 2018, 2, 571-575.  | 24.0 | 42        |
| 102 | Infrared magnetic response in a random silicon carbide micropowder. Physical Review B, 2009, 79, .   | 3.2  | 41        |
| 103 | Synthesis and characterization of ordered mesoporous silicas with high loadings of methyl groups. Journal of Materials Chemistry, 2002, 12, 3452-3457.   | 6.7  | 40        |
| 104 | Synthesis and characterization of highly amine functionalized mesoporous organosilicas by an "all-in-one―approach. Journal of Materials Chemistry, 2005, 15, 4010.                                     | 6.7  | 40        |
| 105 | Tailoring the Electrical Properties of Inverse Silicon Opals ―A Step Towards Optically Amplified Silicon Solar Cells. Advanced Materials, 2009, 21, 559-563.   | 21.0 | 40        |
| 106 | Cu Atoms on Nanowire Pd/H <sub><i>y</i></sub> WO <sub>3â€"<i>x</i></sub> Bronzes Enhance the Solar Reverse Water Gas Shift Reaction. Journal of the American Chemical Society, 2019, 141, 14991-14996. | 13.7 | 40        |
| 107 | Singleâ€Stimulusâ€Induced Modulation of Multiple Optical Properties. Advanced Materials, 2019, 31, e1900388.   | 21.0 | 39        |
| 108 | Photocatalytic Properties of All Four Polymorphs of Nanostructured Iron Oxyhydroxides. ChemNanoMat, 2016, 2, 1047-1054.  | 2.8  | 38        |

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|-----|--|------|-----------|
| 109 | Highly Ordered Magnetic Ceramic Nanorod Arrays from a Polyferrocenylsilane by Nanoimprint Lithography with Anodic Aluminum Oxide Templates. Chemistry of Materials, 2009, 21, 1781-1783.   | 6.7  | 37        |
| 110 | Solar Urea: Towards a Sustainable Fertilizer Industry. Angewandte Chemie - International Edition, 2022, 61, .  | 13.8 | 37        |
| 111 | Imaging the surfaces of nanoporous semiconductors by atomic force microscopy. Advanced Materials, 1995, 7, 64-68.  | 21.0 | 36        |
| 112 | Two-Photon Poly(phenylenevinylene) DFB Laser. Chemistry of Materials, 2011, 23, 805-809.   | 6.7  | 36        |
| 113 | Enhanced CO <sub>2</sub> Photocatalysis by Indium Oxide Hydroxide Supported on TiN@TiO <sub>2</sub> Nanotubes. Nano Letters, 2021, 21, 1311-1319.  | 9.1  | 35        |
| 114 | CO <sub>2</sub> Footprint of Thermal Versus Photothermal CO <sub>2</sub> Catalysis. Small, 2021, 17, e2007025.   | 10.0 | 35        |
| 115 | Photocatalytic dry reforming: what is it good for?. Energy and Environmental Science, 2021, 14, 3098-3109.   | 30.8 | 33        |
| 116 | Photochemistry of Transition-Metal Atoms: Reactions with Molecular Hydrogen and Methane in Low-Temperature Matrices. Angewandte Chemie International Edition in English, 1986, 25, 1072-1085.  | 4.4  | 32        |
| 117 | Non-wettable, Oxidation-Stable, Brightly Luminescent, Perfluorodecyl-Capped Silicon Nanocrystal Film. Journal of the American Chemical Society, 2014, 136, 15849-15852.  | 13.7 | 32        |
| 118 | Kinetics versus Charge Separation: Improving the Activity of Stoichiometric and Non-Stoichiometric Hematite Photoanodes Using a Molecular Iridium Water Oxidation Catalyst. Journal of Physical Chemistry C, 2016, 120, 12999-13012. | 3.1  | 32        |
| 119 | Plasmonic Titanium Nitride Facilitates Indium Oxide CO <sub>2</sub> Photocatalysis. Small, 2020, 16, e2005754.   | 10.0 | 32        |
| 120 | Solar methanol energy storage. Nature Catalysis, 2021, 4, 934-942.   | 34.4 | 32        |
| 121 | Effect of microgravity on the crystallization of a self-assembling layered material. Nature, 1997, 388, 857-860.   | 27.8 | 31        |
| 122 | Absolute quantum yields in NaYF4:Er,Yb upconverters – synthesis temperature and power dependence. Journal of Materials Chemistry, 2012, 22, 24330.   | 6.7  | 31        |
| 123 | Porous NIR Photoluminescent Silicon Nanocrystalsâ€POSS Composites. Advanced Functional Materials, 2016, 26, 5102-5110.   | 14.9 | 31        |
| 124 | Silicon monoxide – a convenient precursor for large scale synthesis of near infrared emitting monodisperse silicon nanocrystals. Nanoscale, 2016, 8, 3678-3684.  | 5.6  | 30        |
| 125 | ZIF-supported AuCu nanoalloy for ammonia electrosynthesis from nitrogen and thin air. Journal of Materials Chemistry A, 2020, 8, 8868-8874.  | 10.3 | 30        |
| 126 | Structure-Directing Lone Pairs: Synthesis and Structural Characterization of SnTiO <sub>3</sub> . Chemistry of Materials, 2018, 30, 8932-8938.   | 6.7  | 27        |

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|-----|---|------|-----------|
| 127 | Emerging Atomic Energy Levels in Zero-Dimensional Silicon Quantum Dots. Nano Letters, 2020, 20, 1491-1498.  | 9.1  | 27        |
| 128 | Electrolyte-Phobic Surface for the Next-Generation Nanostructured Battery Electrodes. Nano Letters, 2020, 20, 7455-7462.  | 9.1  | 25        |
| 129 | Construction of New Active Sites: Cu Substitution Enabled Surface Frustrated Lewis Pairs over Calcium Hydroxyapatite for CO <sub>2</sub> Hydrogenation. Advanced Science, 2021, 8, e2101382.              | 11.2 | 25        |
| 130 | Stable Cu Catalysts Supported by Twoâ€dimensional SiO <sub>2</sub> with Strong Metal–Support Interaction. Advanced Science, 2022, 9, e2104972.  | 11.2 | 25        |
| 131 | Highly Selective Wet Etch for High-Resolution Three-Dimensional Nanostructures in Arsenic Sulfide All-Inorganic Photoresist. Chemistry of Materials, 2007, 19, 4213-4221.                                 | 6.7  | 24        |
| 132 | See-through amorphous silicon solar cells with selectively transparent and conducting photonic crystal back reflectors for building integrated photovoltaics. Applied Physics Letters, 2013, 103, 221109. | 3.3  | 24        |
| 133 | Cryogenic Inorganic Chemistry: A Review of Metal-Gas Reactions as Studied by Matrix-Isolation Infrared and Raman Spectroscopic Techniques. Progress in Inorganic Chemistry, 2007, , 105-172.              | 3.0  | 23        |
| 134 | Near-Perfect Absorbing Copper Metamaterial for Solar Fuel Generation. Nano Letters, 2021, 21, 9124-9130.  | 9.1  | 23        |
| 135 | You can't have an energy revolution without transforming advances in materials, chemistry and catalysis into policy change and action. Energy and Environmental Science, 2015, 8, 1682-1684.              | 30.8 | 22        |
| 136 | Solution–Liquid–Solid Growth and Catalytic Applications of Silica Nanorod Arrays. Advanced Science, 2020, 7, 2000310.   | 11.2 | 22        |
| 137 | Hybrid Photo- and Thermal Catalyst System for Continuous CO <sub>2</sub> Reduction. ACS Applied Materials & Samp; Interfaces, 2020, 12, 33613-33620.  | 8.0  | 22        |
| 138 | Plasma within Templates:  Molding Flexible Nanocrystal Solids into Multifunctional Architectures. Nano Letters, 2007, 7, 3864-3868.   | 9.1  | 21        |
| 139 | Building a Bridge from Papermaking to Solar Fuels. Angewandte Chemie - International Edition, 2019, 58, 14850-14854.  | 13.8 | 21        |
| 140 | A core-shell catalyst design boosts the performance of photothermal reverse water gas shift catalysis. Science China Materials, 2021, 64, 2212-2220.  | 6.3  | 21        |
| 141 | Hydrosilylation kinetics of silicon nanocrystals. Chemical Communications, 2013, 49, 11361.   | 4.1  | 20        |
| 142 | Heterostructure Engineering of a Reverse Water Gas Shift Photocatalyst. Advanced Science, 2019, 6, 1902170.   | 11.2 | 20        |
| 143 | Postâ€Ilumination Photoconductivity Enables Extension of Photo atalysis after Sunset. Advanced Energy Materials, 2021, 11, 2101566.   | 19.5 | 20        |
| 144 | Fe2O3/Cu2O heterostructured nanocrystals. Journal of Materials Chemistry A, 2014, 2, 8525-8533.   | 10.3 | 19        |

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|-----|--|-------------|-----------|
| 145 | A Highlyâ€Ordered 3D Covalent Fullerene Framework. Angewandte Chemie - International Edition, 2015, 54, 7577-7581.   | 13.8        | 19        |
| 146 | Waveguide photoreactor enhances solar fuels photon utilization towards maximal optoelectronic $\hat{a} \in \text{``photocatalytic synergy. Nature Communications, 2021, 12, 402.}$                           | 12.8        | 19        |
| 147 | Chalcogenide Distribution in Microporous Layered Tin(IV) Thioselenide, TMA2Sn3SxSe7-x, Materials. Journal of Physical Chemistry B, 1998, 102, 2356-2366.   | 2.6         | 18        |
| 148 | Roomâ€Temperature Activation of H <sub>2</sub> by a Surface Frustrated Lewis Pair. Angewandte Chemie, 2019, 131, 9601-9605.  | 2.0         | 18        |
| 149 | Photoconductivity in inverse silicon opals enhanced by slow photon effect: Yet another step towards optically amplified silicon photonic crystal solar cells. Applied Physics Letters, 2011, 98, 072106.     | 3.3         | 17        |
| 150 | UVâ€Blocking Photoluminescent Silicon Nanocrystal/Polydimethylsiloxane Composites. Advanced Optical Materials, 2017, 5, 1700237.   | 7.3         | 17        |
| 151 | Solar CO2hydrogenation by photocatalytic foams. Chemical Engineering Journal, 2022, 435, 134864.   | 12.7        | 16        |
| 152 | Germanium nanocrystal doped inverse crystalline silicon opal. Journal of Materials Chemistry, 2011, 21, 15895.   | 6.7         | 15        |
| 153 | Pure Blue Emitting Poly(3,6-dimethoxy-9,9-dialkylsilafluorenes) Prepared via Nickel-Catalyzed Cross-Coupling of Diarylmagnesate Monomers. Macromolecules, 2013, 46, 6794-6805.                               | 4.8         | 15        |
| 154 | Enhancing photovoltaics with broadband high-transparency glass using porosity-tuned multilayer silica nanoparticle anti-reflective coatings. RSC Advances, 2014, 4, 31188-31195.                             | 3.6         | 15        |
| 155 | Tailoring CO <sub>2</sub> Reduction with Doped Silicon Nanocrystals. Advanced Sustainable Systems, 2017, 1, 1700118.   | <b>5.</b> 3 | 15        |
| 156 | Oxygen Evolution Catalysis with Mössbauerite—A Trivalent Ironâ€Only Layered Double Hydroxide.<br>Chemistry - A European Journal, 2018, 24, 9004-9008.  | 3.3         | 15        |
| 157 | Cu-H2 Photochemistry in the Matrix; ESR, FTIR, UV/VIS Spectroscopic and Kinetic Studies. Angewandte Chemie International Edition in English, 1982, 21, 380-381.  | 4.4         | 14        |
| 158 | Sandwichâ€Type Nanocomposite of Reduced Graphene Oxide and Periodic Mesoporous Silica with Vertically Aligned Mesochannels of Tunable Pore Depth and Size. Advanced Functional Materials, 2017, 27, 1704066. | 14.9        | 14        |
| 159 | Ambient Electrosynthesis of Ammonia: Electrode Porosity and Composition Engineering. Angewandte Chemie, 2018, 130, 12540-12544.  | 2.0         | 14        |
| 160 | Selective CH Bond Activation in Ethane Using Photoexcited Cu Atoms. Angewandte Chemie International Edition in English, 1982, 21, 211-211.  | 4.4         | 13        |
| 161 | Tunable Microcellular Morphologies from Poly(ferrocenylsilane) Ceramic Precursors Foamed in Supercritical CO2. Macromolecular Chemistry and Physics, 2004, 205, 2398-2408.                                   | 2.2         | 13        |
| 162 | Engineering porosity in bifunctional periodic mesoporous organosilicas with MT- and DT-type silica building blocks. Journal of Materials Chemistry, 2005, 15, 764.   | 6.7         | 13        |

| #   | Article   | IF   | Citations |
|-----|---|------|-----------|
| 163 | Channel Crossing by a Catalytic Nanomotor. ChemCatChem, 2013, 5, 2798-2801.   | 3.7  | 13        |
| 164 | The next big thing for silicon nanostructures – CO <sub>2</sub> photocatalysis. Faraday Discussions, 2020, 222, 424-432.  | 3.2  | 13        |
| 165 | Making sense out of sulfated tin dioxide mesostructures. Journal of Materials Chemistry, 2003, 13, 1406.  | 6.7  | 12        |
| 166 | Synthesis of poly(spirosilabifluorene) copolymers and their improved stability in blue emitting polymer LEDs over non-spiro analogs. Polymer Chemistry, 2015, 6, 3781-3789.                                     | 3.9  | 12        |
| 167 | Permanently porous hydrogen-bonded frameworks of rod-like thiophenes, selenophenes, and tellurophenes capped with MIDA boronates. Dalton Transactions, 2016, 45, 9754-9757.                                     | 3.3  | 12        |
| 168 | Photophysics of atomic magnesium isolated in solid methane and perdeuteromethane. II. Temperature dependence of steady state and timeâ€resolved luminescence. Journal of Chemical Physics, 1988, 89, 1844-1857. | 3.0  | 11        |
| 169 | Quiescent hydrothermal synthesis of reduced graphene oxide–periodic mesoporous silica sandwich nanocomposites with perpendicular mesochannel alignments. Adsorption, 2014, 20, 267-274.                         | 3.0  | 11        |
| 170 | Silicon Nanocrystals: It's Simply a Matter of Size. ChemNanoMat, 2016, 2, 847-855.  | 2.8  | 11        |
| 171 | The zeolate ligand; zeolite encapsulated semiconductor nanomaterials. Macromolecular Symposia, 1994, 80, 45-61.   | 0.7  | 10        |
| 172 | Sizeâ€Selective Separation and Purification of "Waterâ€Soluble―Organically Capped Brightly Photoluminescent Silicon Nanocrystals. Particle and Particle Systems Characterization, 2015, 32, 301-306.            | 2.3  | 10        |
| 173 | Enhanced cellular uptake of size-separated lipophilic silicon nanoparticles. Scientific Reports, 2017, 7, 43731.  | 3.3  | 10        |
| 174 | Towards photonic ink (P-ink): a polychrome, fast response metallopolymer gel photonic crystal device. Macromolecular Symposia, 2003, 196, 63-69.  | 0.7  | 9         |
| 175 | Discovery and evaluation of a single source selenium sulfide precursor for the synthesis of alloy PbSxSe1a^'x nanocrystals. Journal of Materials Chemistry, 2012, 22, 5984.                                     | 6.7  | 9         |
| 176 | Photocatalytic Hydrogenation of Carbon Dioxide with High Selectivity to Methanol at Atmospheric Pressure. Joule, 2018, 2, 1382.   | 24.0 | 9         |
| 177 | Continuous reactor for renewable methanol. Green Chemistry, 2021, 23, 340-353.  | 9.0  | 9         |
| 178 | Solar Urea: Towards a Sustainable Fertilizer Industry. Angewandte Chemie, 2022, 134, .  | 2.0  | 9         |
| 179 | Photophysics of atomic magnesium isolated in solid methane and perdeuteromethane. I. Optical absorption of an impurity species in a quantum solid. Journal of Chemical Physics, 1988, 89, 1839-1843.            | 3.0  | 8         |
| 180 | FTâ€"Far IR Spectroscopic Studies of Alkali and Alkaline Earth Linde Type A Zeolites. ACS Symposium Series, 1988, , 136-149.  | 0.5  | 8         |

| #   | Article   | IF   | Citations |
|-----|---|------|-----------|
| 181 | Electroactive Nanoporous Metal Oxides and Chalcogenides by Chemical Design. Chemistry of Materials, 2017, 29, 3663-3670.  | 6.7  | 8         |
| 182 | Solution Phase Metal Atom Preparation of Catalytically Active Zeolite-Encapsulated Metal Clusters; Characterization and Application to the Selective Reduction of Carbon Monoxide to Butene. Angewandte Chemie International Edition in English, 1983, 22, 898-919. | 4.4  | 7         |
| 183 | Spatially Localized Photoluminescence at 1.5 Micrometers Wavelength in Direct Laser Written Optical Nanostructures. Advanced Materials, 2008, 20, 4097-4102.  | 21.0 | 7         |
| 184 | From Ideas to Innovation: Nanochemistry as a Case Study. Small, 2011, 7, 49-54.   | 10.0 | 7         |
| 185 | Solar Fuels: Highly Efficient Ambient Temperature CO <sub>2</sub> Photomethanation Catalyzed by Nanostructured RuO <sub>2</sub> on Silicon Photonic Crystal Support (Adv. Energy Mater. 9/2018). Advanced Energy Materials, 2018, 8, 1870041.                       | 19.5 | 7         |
| 186 | A photo-assisted electrochemical-based demonstrator for green ammonia synthesis. Journal of Energy Chemistry, 2022, 68, 826-834.  | 12.9 | 7         |
| 187 | Intrazeolitic and Rare Gas Isolated Silver Atom and Silver Cluster Spectroscopy, Photoprocesses, and Support Interactions. ACS Symposium Series, 1983, , 409-437.   | 0.5  | 6         |
| 188 | Sizeâ€Tunable Photothermal Germanium Nanocrystals. Angewandte Chemie, 2017, 129, 6426-6431.   | 2.0  | 6         |
| 189 | Silica samurai: Aristocrat of energy and environmental catalysis. Chem Catalysis, 2022, 2, 1893-1918.   | 6.1  | 6         |
| 190 | Selective CH Bond Activation in Ethane Using Photoexcited Copper Atoms. Angewandte Chemie International Edition in English, 1982, 21, 369-380.  | 4.4  | 5         |
| 191 | Copper Atom-Dihydrogen Matrix Photochemistry; An ESR, FTIR, UV-VIS Absorption Spectroscopic and Kinetic Study. Angewandte Chemie International Edition in English, 1982, 21, 785-797.   | 4.4  | 5         |
| 192 | Internal photonic crystal lattice structures of planarized opal-patterned chips probed by laser scanning confocal fluorescence microscopy. Journal of Materials Chemistry, 2002, 12, 966-969.   | 6.7  | 5         |
| 193 | Metal Atom Olefin Chemistry; Interaction of Group VIII Metal Atoms with Ethylene. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1978, 82, 105-106.  | 0.9  | 4         |
| 194 | Dynamic Processes of Metal Atoms and Small Metal Clusters in Solid Supports. ACS Symposium Series, 1983, , 303-328.   | 0.5  | 4         |
| 195 | Self-Assembly of Microporous Thiogermanate Frameworks. Journal of Chemical Education, 2000, 77, 630.  | 2.3  | 4         |
| 196 | Synthesis of water-soluble β-NaYF4 nanocrystals in a green way. CrystEngComm, 2014, 16, 6526-6529.  | 2.6  | 4         |
| 197 | Building a Bridge from Papermaking to Solar Fuels. Angewandte Chemie, 2019, 131, 14992-14996.   | 2.0  | 4         |
| 198 | Perovskite, the Chameleon CO2 Photocatalyst. Cell Reports Physical Science, 2021, 2, 100300.  | 5.6  | 4         |

| #   | Article   | IF   | CITATIONS |
|-----|---|------|-----------|
| 199 | A New Model for Aluminophosphate Formation: Transformation of a Linear Chain Aluminophosphate to Chain, Layer, and Framework Structures. Angewandte Chemie - International Edition, 1998, 37, 46-62.  | 13.8 | 4         |
| 200 | Reclamation of Oily Wastewater at High Temperatures Using Thermosetting Polyurethane-Nanosilicon Sponges. ACS Applied Polymer Materials, 2022, 4, 1544-1550.  | 4.4  | 4         |
| 201 | Arene-Metal Clusters: Metal Atom-Bis(arene)metal Solution Phase Chemistry. Angewandte Chemie International Edition in English, 1982, 21, 212-212.   | 4.4  | 3         |
| 202 | Doping And Band-Gap Engineering Of An Intrazeolite Tungsten(Vi) Oxide Supralatiice. Materials Research Society Symposia Proceedings, 1991, 233, 109.  | 0.1  | 3         |
| 203 | Spectroscopy of Iron Germanium Sulfide Open-Framework Materials and Precursors. Materials Research Society Symposia Proceedings, 1996, 431, 165.  | 0.1  | 3         |
| 204 | Nanometerâ€Scale Precision Tuning of 3D Photonic Crystals Made Possible Using Polyelectrolytes with Controlled Short Chain Length and Narrow Polydispersity. Advanced Materials Interfaces, 2014, 1, 1300051.   | 3.7  | 3         |
| 205 | Solar Fuels: Tailoring Surface Frustrated Lewis Pairs of In <sub>2</sub> O <sub>3â^'</sub> <i><sub>x</sub></i> (OH) <sub>y</sub> for Gasâ€Phase Heterogeneous Photocatalytic Reduction of CO <sub>2</sub> by Isomorphous Substitution of In <sup>3+</sup> with Bi <sup>3+</sup> (Adv. Sci. 6/2018). Advanced Science. 2018. 5. 1870034. | 11.2 | 3         |
| 206 | CO <sub>2</sub> Photoreduction: Heterostructure Engineering of a Reverse Water Gas Shift Photocatalyst (Adv. Sci. 22/2019). Advanced Science, 2019, 6, 1970134.   | 11,2 | 3         |
| 207 | Kinetics and Mechanism of Turanite Reduction by Hydrogen. Journal of Physical Chemistry C, 2020, 124, 18356-18365.  | 3.1  | 3         |
| 208 | Arene-Metal Clusters; Metal Atom-Bis(arene) Metal Solution Phase Chemistry. Angewandte Chemie International Edition in English, 1982, 21, 381-392.  | 4.4  | 2         |
| 209 | Bones about skeletons. Advanced Materials, 1996, 8, 184-184.  | 21.0 | 2         |
| 210 | Polymer-Stabilized Divanadium. Inorganic Syntheses, 2007, , 116-123.  | 0.3  | 2         |
| 211 | The effect of solvent in evaporation-induced self-assembly: A case study of benzene periodic mesoporous organosilica. Science China Chemistry, 2011, 54, 1920-1925.   | 8.2  | 2         |
| 212 | Photothermal Catalysis: Photothermal Catalyst Engineering: Hydrogenation of Gaseous CO <sub>2</sub> with High Activity and Tailored Selectivity (Adv. Sci. 10/2017). Advanced Science, 2017, 4, .   | 11.2 | 2         |
| 213 | Anchoring Ba II to Pd/H y WO 3Ⱂ x Nanowires Promotes a Photocatalytic Reverse Water–Gas Shift Reaction. Chemistry - A European Journal, 2020, 26, 12355-12358.  | 3.3  | 2         |
| 214 | Flash Solid–Solid Synthesis of Silicon Oxide Nanorods. Small, 2020, 16, 2001435.  | 10.0 | 2         |
| 215 | Fourier Transform Far-Infrared (FT-Far-IR) Spectroscopy of Silver Atoms and Silver Clusters Entrapped in Zeolite NaY. Angewandte Chemie International Edition in English, 1983, 22, 791-792.  | 4.4  | 1         |
| 216 | Bio-Inspired Nanocomposites: From Synthesis Toward Potential Applications. Materials Research Society Symposia Proceedings, 2001, 707, 551.   | 0.1  | 1         |

| #   | Article   | IF   | Citations |
|-----|---|------|-----------|
| 217 | "Smart―Defects in Colloidal Photonic Crystals. Materials Research Society Symposia Proceedings, 2005, 901, 1.   | 0.1  | 1         |
| 218 | Synthesis and Layer-by-Layer Assembly of Water-Soluble Polyferrocenylsilane Polyelectrolytes. ACS Symposium Series, 2006, , 334-355.  | 0.5  | 1         |
| 219 | Micro-optical Spectroscopy of Stacking Faults in Colloidal Photonic Crystal Films. AIP Conference Proceedings, 2007, , .  | 0.4  | 1         |
| 220 | Photonic crystal display materials. , 2010, , .   |      | 1         |
| 221 | 5.2: Photonic Crystal Display Materials. Digest of Technical Papers SID International Symposium, 2011, 42, 40-41.   | 0.3  | 1         |
| 222 | Organic Light-Emitting Diodes: Silicon Nanocrystal OLEDs: Effect of Organic Capping Group on Performance (Small 23/2012). Small, 2012, 8, 3542-3542.                                    | 10.0 | 1         |
| 223 | Spin of a Nanotech Spin-Off. Advanced Engineering Materials, 2013, 15, 8-18.  | 3.5  | 1         |
| 224 | Atomic and Electronic Structure of $\hat{I}^3$ Fe2O3/Cu2O Heterostructured Nanocrystals. Microscopy and Microanalysis, 2014, 20, 410-411.   | 0.4  | 1         |
| 225 | Carbon Dioxide Reduction: Visible and Near-Infrared Photothermal Catalyzed Hydrogenation of Gaseous CO2 over Nanostructured Pd@Nb2 O5 (Adv. Sci. 10/2016). Advanced Science, 2016, 3, . | 11.2 | 1         |
| 226 | Synthetic self-propelled nanorotors. , 0, .   |      | 1         |
| 227 | Rhodium Atom Chemistry. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1978, 82, 101-102.  | 0.9  | 0         |
| 228 | Fourier Transform Far Infrared Spectroscopy of Silver Atoms and Silver Clusters Entrapped in Sodium Y Zeolite. Angewandte Chemie International Edition in English, 1983, 22, 1075-1087. | 4.4  | 0         |
| 229 | Bio-Inspired Nanocomposites: From Synthesis Toward Potential Applications. Materials Research Society Symposia Proceedings, 2001, 711, 1.   | 0.1  | 0         |
| 230 | PbS Nanocrystal "Plasma-Polymerization― Materials Research Society Symposia Proceedings, 2005, 901, 1.  | 0.1  | 0         |
| 231 | Fabrication of three-dimensional photonic quasicrystals for the near-infrared spectral region. , 2006,  |      | 0         |
| 232 | P-Ink: Intelligent Color. , 2007, , .   |      | 0         |
| 233 | P-Ink and Elast-Ink Lab to Market. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2010-2010.  | 1.2  | 0         |
| 234 | Er doped As <inf>2</inf> S <inf>3</inf> photoresist for 3-D direct laser fabrication of 3-D nanostructures. , 2008, , .   |      | 0         |

| #   | Article   | IF                  | CITATIONS              |
|-----|---|---------------------|------------------------|
| 235 | Photonic Structures: Hierarchical Nanoparticle Bragg Mirrors: Tandem and Gradient Architectures (Small 24/2011). Small, 2011, 7, 3402-3402.   | 10.0                | 0                      |
| 236 | The Photonic Nose: Smelling Chemicals with Structural Color. , 2011, , .  |                     | 0                      |
| 237 | Artificial Photosynthesis: Solar Fuels Nanomaterials. Microscopy and Microanalysis, 2014, 20, 404-405.  | 0.4                 | 0                      |
| 238 | Nanomaterials: Exploring the Possibilities and Limitations of a Nanomaterials Genome (Small $1/2015$ ). Small, $2015$ , $11$ , $63-63$ .  | 10.0                | 0                      |
| 239 | Silicon Nanocrystals: Size-Dependent Oxidation of Monodisperse Silicon Nanocrystals with Allylphenylsulfide Surfaces (Small 3/2015). Small, 2015, 11, 262-262.  | 10.0                | 0                      |
| 240 | Silicon Nanocrystals: Cationic Silicon Nanocrystals with Colloidal Stability, pHâ€Independent Positive Surface Charge and Size Tunable Photoluminescence in the Nearâ€Infrared to Red Spectral Range (Adv.) Tj ETQq | 0 <b>0 10</b> 2 gBT | /Overlock 10           |
| 241 | Graphene Nanocomposites: Sandwichâ€₹ype Nanocomposite of Reduced Graphene Oxide and Periodic<br>Mesoporous Silica with Vertically Aligned Mesochannels of Tunable Pore Depth and Size (Adv. Funct.) Tj ETQq1 1      | 0174894314          | 1 r <b>g</b> BT /Overl |
| 242 | Rýcktitelbild: Promoted Fixation of Molecular Nitrogen with Surface Oxygen Vacancies on Plasmon-Enhanced TiO2 Photoelectrodes (Angew. Chem. 19/2018). Angewandte Chemie, 2018, 130, 5656-5656.                      | 2.0                 | 0                      |
| 243 | Innenr $\tilde{A}^{1}\!\!/\!\!4$ cktitelbild: Ambient Electrosynthesis of Ammonia: Electrode Porosity and Composition Engineering (Angew. Chem. 38/2018). Angewandte Chemie, 2018, 130, 12765-12765.                | 2.0                 | 0                      |
| 244 | Frontispiece: Building a Bridge from Papermaking to Solar Fuels. Angewandte Chemie - International Edition, 2019, 58, .   | 13.8                | 0                      |
| 245 | Frontispiz: Building a Bridge from Papermaking to Solar Fuels. Angewandte Chemie, 2019, 131, .  | 2.0                 | 0                      |
| 246 | 5th Anniversary Article: Towards Solar Methanol: Past, Present, and Future (Adv. Sci. 8/2019). Advanced Science, 2019, 6, 1970048.  | 11.2                | 0                      |