

# Makoto Ogawa

## List of Publications by Year in descending order

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319  
papers

11,991  
citations

36691

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h-index

49824

91  
g-index

332  
all docs

332  
docs citations

332  
times ranked

7918  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | MXene-copper oxide/sulfonated polyether ether ketone as a hybrid composite proton exchange membrane in electrochemical water electrolysis. <i>Catalysis Today</i> , 2023, 407, 96-106.   | 2.2  | 11        |
| 2  | Post-synthetic particle size reduction of a layered cesium titanate (Cs <sub>2</sub> Ti <sub>5</sub> O <sub>11</sub> ) for the improvement of photocatalytic H <sub>2</sub> production. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 163, 110541. | 1.9  | 3         |
| 3  | Simple Fabrication of a Continuous-Flow Photocatalytic Reactor Using Dopamine-Assisted Immobilization onto a Fluoropolymer Tubing. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 1322-1331.   | 1.8  | 5         |
| 4  | Remarkable stability of dye in polymer-clay nanocomposite film. <i>Applied Clay Science</i> , 2022, 218, 106405.   | 2.6  | 8         |
| 5  | Mechanochromic luminescence of a bionanocomposite hydrogel. <i>Chemical Communications</i> , 2022, 58, 3278-3281.  | 2.2  | 6         |
| 6  | Organophilic Clay with Useful Whiteness. <i>Langmuir</i> , 2022, 38, 2979-2985.  | 1.6  | 4         |
| 7  | Interactions of layered clay minerals with water-soluble polymers; structural design and functions. <i>Applied Clay Science</i> , 2022, 222, 106487.   | 2.6  | 11        |
| 8  | A six-fold difference in structure results in a six-order difference in conductivity: silica shell nanoarchitectonics on carbon black particles. <i>Nanoscale</i> , 2022, 14, 7480-7483.   | 2.8  | 3         |
| 9  | Lepidocrocite-Type Layered Titanate Nanoparticles as Photocatalysts for H <sub>2</sub> Production. <i>ACS Applied Nano Materials</i> , 2022, 5, 9053-9062.   | 2.4  | 11        |
| 10 | Simple and cost-effective mass production of nitrate type MgAl layered double hydroxide: Titration from concentrated solution. <i>Applied Clay Science</i> , 2022, 228, 106615.  | 2.6  | 8         |
| 11 | Acceleration of the photocatalytic degradation of organics by in-situ removal of the products of degradation. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119705.   | 10.8 | 40        |
| 12 | Self-healing polymer-clay hybrids by facile complexation of a waterborne polymer with a clay. <i>Materials Advances</i> , 2021, 2, 3770-3776.  | 2.6  | 4         |
| 13 | Formation of BiOX (X = Cl and Br) in a mesoporous silica by the infiltration of Bi salts and the subsequent reaction with HX vapor. <i>Chemical Communications</i> , 2021, 57, 8139-8142.  | 2.2  | 2         |
| 14 | Directional growth of octacalcium phosphate using micro-flow reactor mixing and subsequent aging. <i>RSC Advances</i> , 2021, 11, 15969-15976.   | 1.7  | 3         |
| 15 | Adsorption of Triclosan onto Organically Modified-Magadiite and Bentonite. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1902-1911.  | 1.9  | 10        |
| 16 | Heterostructural transformation of mesoporous silica-titania hybrids. <i>Scientific Reports</i> , 2021, 11, 3210.  | 1.6  | 14        |
| 17 | Nanoarchitectonics through Organic Modification of Oxide Based Layered Materials; Concepts, Methods and Functions. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 678-693.   | 2.0  | 44        |
| 18 | Suppressing the Photocatalytic Activity of Titania by Precisely Controlled Silica Coating. <i>Inorganic Chemistry</i> , 2021, 60, 6201-6208.   | 1.9  | 8         |

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|----|--|-----|-----------|
| 19 | Efficient Negative Photochromism by the Photoinduced Migration of Photochromic Merocyanine/Spiropyran in the Solid State. <i>Langmuir</i> , 2021, 37, 3702-3708.   | 1.6 | 14        |
| 20 | Preparation of MgGa Layered Double Hydroxides and Possible Compositional Variation. <i>Nanomaterials</i> , 2021, 11, 1206.   | 1.9 | 4         |
| 21 | Highly Luminescent Inorganic-Organic Hybrids with Molecularly Dispersed Perylene. <i>Inorganic Chemistry</i> , 2021, 60, 9563-9570.  | 1.9 | 8         |
| 22 | Simple and efficient method for functionalizing photocatalytic ceramic membranes and assessment of its applicability for wastewater treatment in up-scalable membrane reactors. <i>Separation and Purification Technology</i> , 2021, 262, 118307.           | 3.9 | 18        |
| 23 | Well-Defined Hexagonal Platy Particles of Brucite, Brucite/Silica Core Shell, and Hollow Silica Particle. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2396-2401.  | 2.0 | 0         |
| 24 | Important Roles of Water Clusters Confined in a Nanospace as Revealed by a Synchrotron X-ray Diffraction Study. <i>Langmuir</i> , 2021, 37, 10469-10480.   | 1.6 | 6         |
| 25 | Layered alkali titanates (A <sub>2</sub> Ti <sub>n</sub> O <sub>2n+1</sub> ): possible uses for energy/environment issues. <i>Frontiers in Energy</i> , 2021, 15, 631-655.   | 1.2 | 9         |
| 26 | Efficient Concentration of PB From Water by Reactions With Layered Alkali Silicates, Magadiite and Octosilicate. <i>Clays and Clay Minerals</i> , 2021, 69, 416-424.   | 0.6 | 3         |
| 27 | Hydrophobic composite foams based on nanocellulose-sepiolite for oil sorption applications. <i>Journal of Hazardous Materials</i> , 2021, 417, 126068.   | 6.5 | 31        |
| 28 | MXene potassium titanate nanowire/sulfonated polyether ether ketone (SPEEK) hybrid composite proton exchange membrane for photocatalytic water splitting. <i>RSC Advances</i> , 2021, 11, 9327-9335.   | 1.7 | 7         |
| 29 | Mechanochemical syntheses of all-inorganic iodide perovskites from layered cesium titanate and bismuth (and antimony) iodide. <i>Chemical Communications</i> , 2021, 57, 10003-10006.  | 2.2 | 2         |
| 30 | Composition-Dependent Thermal Stability and Water-Induced Self-Healing Behavior of Smectite/Waterborne Polymer Hybrid Film. <i>Langmuir</i> , 2021, 37, 12887-12896.   | 1.6 | 3         |
| 31 | Synergistic Effects of Polybenzimidazole and Aramide on Enhancing Flame Retardancy and Solubility. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100459.   | 1.7 | 2         |
| 32 | Fabrication and photocatalytic behavior of titanium oxide-gold nanoparticles composite ultrathin films prepared using surface sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 93, 563-569.   | 1.1 | 5         |
| 33 | Characteristics of flexible supramolecular assembly of dioleyldimethylammonium ion confined in a two dimensional nanospace studied by the host-guest reactions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 605, 125352. | 2.3 | 5         |
| 34 | Template Synthesis of Well-Defined Rutile Nanoparticles by Solid-State Reaction at Room Temperature. <i>Inorganic Chemistry</i> , 2020, 59, 7934-7938.   | 1.9 | 8         |
| 35 | Photofunctions of Dye-Clay Hybrids: Recent Developments. <i>Structure and Bonding</i> , 2020, , 251-320.   | 1.0 | 7         |
| 36 | Crystallization of well-defined anatase nanoparticles in SBA-15 for the photocatalytic decomposition of acetic acid. <i>RSC Advances</i> , 2020, 10, 32350-32356.  | 1.7 | 4         |

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|----|--|-----|-----------|
| 37 | Preparation of a Chitin/Clay Hybrid Film by a Mechanochemical Method. ACS Applied Polymer Materials, 2020, 2, 4733-4738.   | 2.0 | 4         |
| 38 | Designing nanoarchitecture for environmental remediation based on the clay minerals as building block. Journal of Hazardous Materials, 2020, 399, 122888.  | 6.5 | 42        |
| 39 | An experimental and steered molecular dynamics simulation approach to histidine assisted liquid-phase exfoliation of graphite into few-layer graphene. Physical Chemistry Chemical Physics, 2020, 22, 9910-9914.             | 1.3 | 4         |
| 40 | Simultaneous Controlled Seeded-Growth and Doping of ZnO Nanorods with Aluminum and Cerium: Feasibility Assessment and Effect on Photocatalytic Activity. Crystal Growth and Design, 2020, 20, 5508-5525.                     | 1.4 | 18        |
| 41 | Organically Modified Bentonite as an Efficient and Reusable Adsorbent for Triclosan Removal from Water. Langmuir, 2020, 36, 9025-9034.   | 1.6 | 22        |
| 42 | Ion Exchange of Layered Alkali Titanates (Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> ·xH <sub>2</sub> O) with Alkali Halides by the Solid-State Reactions at Room Temperature. Inorganic Chemistry, 2020, 59, 4024-4029. | 1.9 | 19        |
| 43 | Simultaneous Delamination and Rutile Formation on the Surface of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene for Copper Adsorption. Chemistry - an Asian Journal, 2020, 15, 1044-1051.                               | 1.7 | 59        |
| 44 | Preparation of Layered Double Hydroxides toward Precisely Designed Hierarchical Organization. ChemEngineering, 2019, 3, 68.  | 1.0 | 41        |
| 45 | Improved Rheological Properties of Organophilic-Clay Suspensions by a Simple Pretreatment with a Wet Type Jet Mill. Bulletin of the Chemical Society of Japan, 2019, 92, 1329-1334.  | 2.0 | 7         |
| 46 | Polymorphism of Mixed Metal Cr/Fe Terephthalate Metal-Organic Frameworks Utilizing a Microwave Synthetic Method. Crystal Growth and Design, 2019, 19, 5581-5591.   | 1.4 | 23        |
| 47 | Preferential immobilization of size-controlled anatase nanoparticles in mesopores. Chemical Communications, 2019, 55, 8442-8445.   | 2.2 | 10        |
| 48 | Electron Microscopy Study of TiO <sub>2</sub> Nanoparticle in Mesoporous Silica. Microscopy and Microanalysis, 2019, 25, 2214-2215.  | 0.2 | 1         |
| 49 | Novel Flexible Supramolecular Assembly of Dioleyldimethylammonium Ion in a Two-Dimensional Nanospace Studied by Neutron Scattering. Langmuir, 2019, 35, 13977-13982.   | 1.6 | 14        |
| 50 | Pore shape-reflecting morphosynthesis of lithium niobium oxide via mixed chloride flux growth in the presence of mesoporous silica. Nanoscale Advances, 2019, 1, 1726-1730.  | 2.2 | 1         |
| 51 | The Improved Stability of Molecular Guests by the Confinement into Nanospaces. Chemistry Letters, 2019, 48, 398-409.   | 0.7 | 26        |
| 52 | Synergy effects of the complexation of a titania and a smectite on the film formation and its photocatalyst performance. Applied Clay Science, 2019, 169, 129-134.   | 2.6 | 17        |
| 53 | Photoactive nanoarchitectures based on clays incorporating TiO <sub>2</sub> and ZnO nanoparticles. Beilstein Journal of Nanotechnology, 2019, 10, 1140-1156.   | 1.5 | 50        |
| 54 | Complexation of TiO <sub>2</sub> With Clays and Clay Minerals for Hierarchically Designed Functional Hybrids. , 2019, , 125-150.   |     | 5         |

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|----|--|-----|-----------|
| 55 | Acceleration of photochromism and negative photochromism by the interactions with mesoporous silicas. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1742-1749.   | 1.6 | 11        |
| 56 | Preparation of sodium-type bentonite with useful swelling property by a mechanochemical reaction from a weathered bentonite. <i>Applied Clay Science</i> , 2019, 175, 124-129.   | 2.6 | 9         |
| 57 | Photochromic Reactions in Nanospace: Host-Guest Interactions and Opportunity. , 2019, , 163-177.   |     | 1         |
| 58 | Hydrophilic Internal Pore and Hydrophobic Particle Surface of Organically Modified Mesoporous Silica Particle to Host Photochromic Molecules. <i>Chemistry Letters</i> , 2019, 48, 170-172.  | 0.7 | 9         |
| 59 | Efficient production of MgAl layered double hydroxide nanoparticle. <i>Journal of the Ceramic Society of Japan</i> , 2019, 127, 11-17.   | 0.5 | 14        |
| 60 | Layered Titanates (Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> and Cs <sub>2</sub> Ti <sub>5</sub> O <sub>11</sub> ) as Very High Capacity Adsorbents of Cadmium(II). <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1-6. | 2.0 | 11        |
| 61 | Immobilization of titanium dioxide in mesoporous silicas: Structural design and characterization. <i>Journal of Solid State Chemistry</i> , 2019, 270, 162-172.  | 1.4 | 22        |
| 62 | Photochromism of a Spiropyran in the Presence of a Synthetic Hectorite. <i>Chemistry Letters</i> , 2018, 47, 189-191.  | 0.7 | 11        |
| 63 | Mechanochemical methods for the preparation of intercalation compounds, from intercalation to the formation of layered double hydroxides. <i>Dalton Transactions</i> , 2018, 47, 2896-2916.  | 1.6 | 60        |
| 64 | Inorganic modification of layered silicates toward functional inorganic-inorganic hybrids. <i>Applied Clay Science</i> , 2018, 153, 187-197.   | 2.6 | 39        |
| 65 | Precise Synthesis of Well-Defined Inorganic-Organic Hybrid Particles. <i>Chemical Record</i> , 2018, 18, 950-968.  | 2.9 | 14        |
| 66 | Distribution Control-Oriented Intercalation of a Cationic Metal Complex into Layered Silicates Modified with Organosulfonic-Acid Moieties. <i>Langmuir</i> , 2018, 34, 4762-4773.  | 1.6 | 7         |
| 67 | Negative Photochromism Based on Molecular Diffusion between Hydrophilic and Hydrophobic Particles in the Solid State. <i>Inorganic Chemistry</i> , 2018, 57, 3671-3674.  | 1.9 | 39        |
| 68 | Facile syntheses of nanoporous organosilica spherical particles. <i>Journal of Porous Materials</i> , 2018, 25, 425-431.   | 1.3 | 4         |
| 69 | Control of the optical properties of cadmium selenide nanoparticles using magadiite. <i>Dalton Transactions</i> , 2018, 47, 807-813.   | 1.6 | 5         |
| 70 | Control of Polymorphism of Metal-Organic Frameworks Using Mixed-Metal Approach. <i>Crystal Growth and Design</i> , 2018, 18, 16-21.  | 1.4 | 33        |
| 71 | Removal of Water-Soluble Polymers from an Aqueous Solution by Adsorption onto an Acidic Clay. <i>Clays and Clay Minerals</i> , 2018, 66, 96-103.   | 0.6 | 3         |
| 72 | Layered Silicates as a Possible Drug Carrier. <i>The Enzymes</i> , 2018, 44, 117-136.  | 0.7 | 11        |

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|----|---|-----|-----------|
| 73 | Unsaturated Mn(II)-Centered [Mn(BDC)] <sub>n</sub> Metal-Organic Framework with Strong Water Binding Ability and Its Potential for Dehydration of an Ethanol/Water Mixture. <i>Inorganic Chemistry</i> , 2018, 57, 13075-13078. | 1.9 | 6         |
| 74 | Adsorption-Induced Dye Stability of Cationic Dyes on Clay Nanosheets. <i>Langmuir</i> , 2018, 34, 14069-14075.  | 1.6 | 24        |
| 75 | Highly Efficient Indium(III) Collection from Water by a Reaction with a Layered Titanate (Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> ). <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3835-3839.             | 1.0 | 8         |
| 76 | The possible doping of Al <sup>3+</sup> and F <sup>-</sup> modification onto CdS in montmorillonite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 522, 133-139.                              | 2.3 | 14        |
| 77 | Photoinduced structural changes of cationic azo dyes confined in a two dimensional nanospace by two different mechanisms. <i>RSC Advances</i> , 2017, 7, 8077-8081.   | 1.7 | 18        |
| 78 | Inorganic-Organic Interactions. <i>Nanostructure Science and Technology</i> , 2017, , 163-186.  | 0.1 | 7         |
| 79 | Adsorbents Derived from Layered Solids. <i>Nanostructure Science and Technology</i> , 2017, , 263-301.  | 0.1 | 1         |
| 80 | Mechanochemical synthesis of finite particle of layered double hydroxide-acetate intercalation compound: Swelling, thin film and ion exchange. <i>Journal of Solid State Chemistry</i> , 2017, 253, 147-153.                    | 1.4 | 15        |
| 81 | Synthesis and Optical Properties of Mn-ZnS and Mn-CdS Nanoparticles in Montmorillonite. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 1420-1427.   | 0.9 | 6         |
| 82 | Bio-geo hybrid pigment; clay-anthocyanin complex which changes color depending on the atmosphere. <i>Dyes and Pigments</i> , 2017, 139, 561-565.  | 2.0 | 35        |
| 83 | Deposition of a titania layer on spherical porous silica particles and their nanostructure-induced vapor sensing properties. <i>Nanoscale</i> , 2017, 9, 16791-16799.   | 2.8 | 10        |
| 84 | Photochromism of a Spiropyran in the Presence of a Dendritic Fibrous Nanosilica; Simultaneous Photochemical Reaction and Adsorption. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8080-8085.                             | 1.1 | 16        |
| 85 | Efficient Concentration of Indium(III) from Aqueous Solution Using Layered Silicates. <i>Langmuir</i> , 2017, 33, 9558-9564.  | 1.6 | 22        |
| 86 | Mechanochemical Encapsulation of an Aromatic Hydrocarbon into Mesoporous Silica as a Simple Slow Release Formulation. <i>ChemistrySelect</i> , 2017, 2, 6758-6761.  | 0.7 | 2         |
| 87 | Structure and Dynamics of Nonionic Surfactant Aggregates in Layered Materials. <i>Langmuir</i> , 2017, 33, 9759-9771.   | 1.6 | 25        |
| 88 | Size-Controlled Synthesis of Anatase in a Mesoporous Silica, SBA-15. <i>Langmuir</i> , 2017, 33, 13598-13603.   | 1.6 | 19        |
| 89 | Mesoporous Silica Layer: Preparation and Opportunity. <i>Chemical Record</i> , 2017, 17, 217-232.   | 2.9 | 30        |
| 90 | Hydrothermal synthesis of zinc selenide in smectites. <i>Applied Clay Science</i> , 2017, 135, 45-51.   | 2.6 | 12        |

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|-----|--|-----|-----------|
| 91  | PREPUBLICATION: Removal of water-soluble polymers from an aqueous solution by adsorption onto an acidic clay. <i>Clays and Clay Minerals</i> , 2017, , .   | 0.6 | 0         |
| 92  | Meet Our Associate Editor:. Recent Patents on Nanotechnology, 2016, 10, 1-1.   | 0.7 | 0         |
| 93  | Efficient Photodegradation of Organics in Acidic Solution by ZnO@Smectite Hybrids. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3157-3162.   | 1.0 | 13        |
| 94  | Green Synthesis of Organophilic Clays; Solid-State Reaction of Acidic Clay with Organoamine. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 6325-6330.   | 1.8 | 14        |
| 95  | Unprecedentedly enhanced solar photocatalytic activity of a layered titanate simply integrated with TiO <sub>2</sub> nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 30920-30925.                          | 1.3 | 32        |
| 96  | The effect of alcohol type on the thickness of silica layer of Co <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> core-shell particle. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 511, 39-46. | 2.3 | 15        |
| 97  | Modified Method for Bentonite Purification and Characterization; a Case Study Using Bentonite from Tsunagi Mine, Niigata, Japan. <i>Clays and Clay Minerals</i> , 2016, 64, 275-282.   | 0.6 | 14        |
| 98  | Mesoporous silica coated silica@titania spherical particles: from impregnation to core@shell formation. <i>Dalton Transactions</i> , 2016, 45, 18742-18749.  | 1.6 | 8         |
| 99  | Efficient photocatalytic oxidation of benzene to phenol by metal complex-clay/TiO <sub>2</sub> hybrid photocatalyst. <i>RSC Advances</i> , 2016, 6, 23794-23797.   | 1.7 | 35        |
| 100 | Molecular photo-charge-separators enabling single-pigment-driven multi-electron transfer and storage leading to H <sub>2</sub> evolution from water. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 671-680.                    | 3.0 | 21        |
| 101 | Formation of Cadmium Sulfide and Zinc Sulfide Mixture in the Interlayer Space of Montmorillonite. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1631-1637.  | 1.0 | 9         |
| 102 | Host@guest chemistry of mesoporous silicas: precise design of location, density and orientation of molecular guests in mesopores. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 054201.                        | 2.8 | 35        |
| 103 | Photoinduced adsorption of spiropyran into mesoporous silicas as photomerocyanine. <i>RSC Advances</i> , 2015, 5, 101789-101793.   | 1.7 | 18        |
| 104 | Cadmium Telluride-Titanium Dioxide Nanocomposite for Photodegradation of Organic Substance. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 10041-10045.  | 0.9 | 0         |
| 105 | Formation of zinc oxide particles in cetyltrimethylammonium-smectites. <i>Applied Clay Science</i> , 2015, 105-106, 236-242.   | 2.6 | 21        |
| 106 | Photochromic Intercalation Compounds. <i>Structure and Bonding</i> , 2015, , 177-211.  | 1.0 | 20        |
| 107 | Visible-Light-Responsive Photocatalytic Flow Reactor Composed of Titania Film Photosensitized by Metal Complex-Clay Hybrid. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 12631-12634.                                | 4.0 | 29        |
| 108 | Concentration of 2-phenylphenol by organoclays from aqueous sucrose solution. <i>Applied Clay Science</i> , 2015, 109-110, 64-67.  | 2.6 | 10        |



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|-----|---|-----|-----------|
| 109 | Preparation of metal sulfide mixtures in montmorillonite by solid-solid reactions. <i>Applied Clay Science</i> , 2015, 115, 248-253.  | 2.6 | 9         |
| 110 | Preparation of copper oxide in smectites. <i>Applied Clay Science</i> , 2015, 104, 238-244.   | 2.6 | 18        |
| 111 | Possible Roles of the Spatial Distribution of Organic Guest Species in Mesoporous Silicas to Control the Properties of the Hybrids. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1126-1136. | 1.0 | 21        |
| 112 | Functionalization of Layered Titanates. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 2135-2147.   | 0.9 | 48        |
| 113 | Lithium ion conductive behavior of TiO <sub>2</sub> nanotube/ionic liquid matrices. <i>Nanoscale Research Letters</i> , 2014, 9, 539.   | 3.1 | 3         |
| 114 | Clay-bionanocomposites with sacran megamolecules for the selective uptake of neodymium. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1391-1399.   | 5.2 | 33        |
| 115 | Temperature-dependent photocatalytic hydrogen evolution activity from water on a dye-sensitized layered titanate. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 3520.                              | 1.3 | 11        |
| 116 | Direct Correlation between Nanostructure and Particle Morphology during Intercalation. <i>Crystal Growth and Design</i> , 2014, 14, 1516-1519.  | 1.4 | 24        |
| 117 | The effect of cetyltrimethylammonium ion and type of smectites on the luminescence efficiency of bis(8-hydroxyquinoline)zinc(II) complex. <i>Applied Clay Science</i> , 2014, 101, 223-228.                 | 2.6 | 13        |
| 118 | A controlled spatial distribution of functional units in the two dimensional nanospace of layered silicates and titanates. <i>Dalton Transactions</i> , 2014, 43, 10340-10354.                              | 1.6 | 93        |
| 119 | Well-defined plate and hollow disk shaped particles of silica-dialkyldimethylammonium hybrids. <i>Journal of Colloid and Interface Science</i> , 2014, 420, 66-69.  | 5.0 | 14        |
| 120 | In situ complexation of 8-hydroxyquinoline and 4,4'-bipyridine with zinc(II) in the interlayer space of montmorillonite. <i>Applied Clay Science</i> , 2014, 95, 310-316.                                   | 2.6 | 15        |
| 121 | Designed Nanostructures of Clay for Controlled Adsorption of Organic Compounds. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 2121-2134.   | 0.9 | 68        |
| 122 | A green synthesis of a layered titanate, potassium lithium titanate; lower temperature solid-state reaction and improved materials performance. <i>Journal of Solid State Chemistry</i> , 2013, 206, 9-13.  | 1.4 | 26        |
| 123 | Efficient Immobilization of Colloidal Particles from Aqueous Suspension by Electrostatic Interactions. <i>Langmuir</i> , 2013, 29, 14469-14472.   | 1.6 | 3         |
| 124 | Effective concentration of dichromate anions using layered double hydroxides from acidic solutions. <i>Applied Clay Science</i> , 2013, 75-76, 109-113.   | 2.6 | 43        |
| 125 | Adsorption of cationic dyes within spherical particles of poly(N-isopropylacrylamide) hydrogel containing smectite. <i>Applied Clay Science</i> , 2013, 83-84, 469-473.                                     | 2.6 | 22        |
| 126 | Preparation of nanoporous titania spherical nanoparticles. <i>Journal of Solid State Chemistry</i> , 2013, 199, 317-325.  | 1.4 | 10        |



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|-----|---|-----|-----------|
| 127 | Mesoporous Silica Spherical Particles. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 2483-2494.  | 0.9 | 26        |
| 128 | Preparation of Finite Particles of Layered Niobate ( $KCa_2Nb_3O_{10}$ ) for Improved Materials Performance. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 3329-3333.                            | 1.8 | 15        |
| 129 | Preparation of Monodispersed Spherical Titania-Octadecylamine Particles Containing Silane-Coupling Reagents. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 1040-1047.                                  | 2.0 | 8         |
| 130 | Chemical Etching Route to Prepare Nanometer-size Spherical Titania-Octadecylamine Hybrid Particles. <i>Chemistry Letters</i> , 2012, 41, 479-481.   | 0.7 | 4         |
| 131 | Immobilization of cadmium telluride nanoparticles on the surface of hexadecyltrimethylammonium-montmorillonite. <i>Journal of Materials Chemistry</i> , 2012, 22, 20001.  | 6.7 | 11        |
| 132 | Attachment of the Sulfonic Acid Group in the Interlayer Space of a Layered Alkali Silicate, Octosilicate. <i>Langmuir</i> , 2012, 28, 7505-7511.  | 1.6 | 25        |
| 133 | Preparation of Finite Particles of Nitrate Forms of Layered Double Hydroxides by pH Adjustment with Anion Exchange Resin. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 14414-14418.             | 1.8 | 10        |
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