

Shunsuke Tanaka

List of Publications by Year in descending order

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133
papers

9,008
citations

46918

47
h-index

40881

93
g-index

143
all docs

143
docs citations

143
times ranked

10157
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Gold Nanoparticles Located at the Interface of Anatase/Rutile TiO ₂ Particles as Active Plasmonic Photocatalysts for Aerobic Oxidation. <i>Journal of the American Chemical Society</i> , 2012, 134, 6309-6315. | 6.6 | 610 |
| 2 | Synthesis of ordered mesoporous carbons with channel structure from an organic-organic nanocomposite. <i>Chemical Communications</i> , 2005, , 2125-2127. | 2.2 | 492 |
| 3 | Sunlight-Driven Hydrogen Peroxide Production from Water and Molecular Oxygen by Metal-Free Photocatalysts. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13454-13459. | 7.2 | 467 |
| 4 | Resorcinol-formaldehyde resins as metal-free semiconductor photocatalysts for solar-to-hydrogen peroxide energy conversion. <i>Nature Materials</i> , 2019, 18, 985-993. | 13.3 | 429 |
| 5 | Formation of high crystalline ZIF-8 in an aqueous solution. <i>CrystEngComm</i> , 2013, 15, 1794. | 1.3 | 418 |
| 6 | Carbon Nitride-Aromatic Diimide-Graphene Nanohybrids: Metal-Free Photocatalysts for Solar-to-Hydrogen Peroxide Energy Conversion with 0.2% Efficiency. <i>Journal of the American Chemical Society</i> , 2016, 138, 10019-10025. | 6.6 | 406 |
| 7 | Photocatalytic H ₂ O ₂ Production from Ethanol/O ₂ System Using TiO ₂ Loaded with Au-Ag Bimetallic Alloy Nanoparticles. <i>ACS Catalysis</i> , 2012, 2, 599-603. | 5.5 | 361 |
| 8 | Effects of Surface Defects on Photocatalytic H ₂ O ₂ Production by Mesoporous Graphitic Carbon Nitride under Visible Light Irradiation. <i>ACS Catalysis</i> , 2015, 5, 3058-3066. | 5.5 | 289 |
| 9 | Graphitic Carbon Nitride Doped with Biphenyl Diimide: Efficient Photocatalyst for Hydrogen Peroxide Production from Water and Molecular Oxygen by Sunlight. <i>ACS Catalysis</i> , 2016, 6, 7021-7029. | 5.5 | 282 |
| 10 | Adsorption and Diffusion Phenomena in Crystal Size Engineered ZIF-8 MOF. <i>Journal of Physical Chemistry C</i> , 2015, 119, 28430-28439. | 1.5 | 204 |
| 11 | One-Pot Synthesis of Benzimidazoles by Simultaneous Photocatalytic and Catalytic Reactions on Pt@TiO ₂ Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1656-1660. | 7.2 | 191 |
| 12 | Supported Au-Cu Bimetallic Alloy Nanoparticles: An Aerobic Oxidation Catalyst with Regenerable Activity by Visible Light Irradiation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5295-5299. | 7.2 | 176 |
| 13 | Platinum nanoparticles strongly associated with graphitic carbon nitride as efficient co-catalysts for photocatalytic hydrogen evolution under visible light. <i>Chemical Communications</i> , 2014, 50, 15255-15258. | 2.2 | 168 |
| 14 | Mechanochemical dry conversion of zinc oxide to zeolitic imidazolate framework. <i>Chemical Communications</i> , 2013, 49, 7884. | 2.2 | 159 |
| 15 | Size-controlled Synthesis of Zeolitic Imidazolate Framework-8 (ZIF-8) Crystals in an Aqueous System at Room Temperature. <i>Chemistry Letters</i> , 2012, 41, 1337-1339. | 0.7 | 140 |
| 16 | Photocatalytic Dinitrogen Fixation with Water on Bismuth Oxychloride in Chloride Solutions for Solar-to-Chemical Energy Conversion. <i>Journal of the American Chemical Society</i> , 2020, 142, 7574-7583. | 6.6 | 140 |
| 17 | Hot-Electron-Induced Highly Efficient O ₂ Activation by Pt Nanoparticles Supported on Ta ₂ O ₅ Driven by Visible Light. <i>Journal of the American Chemical Society</i> , 2015, 137, 9324-9332. | 6.6 | 139 |
| 18 | Highly Efficient and Selective Hydrogenation of Nitroaromatics on Photoactivated Rutile Titanium Dioxide. <i>ACS Catalysis</i> , 2012, 2, 2475-2481. | 5.5 | 131 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Fabrication of continuous mesoporous carbon films with face-centered orthorhombic symmetry through a soft templating pathway. <i>Journal of Materials Chemistry</i> , 2007, 17, 3639. | 6.7 | 124 |
| 20 | Direct and selective conversion of methanol to para-xylene over Zn ion doped ZSM-5/silicalite-1 core-shell zeolite catalyst. <i>Journal of Catalysis</i> , 2016, 342, 63-66. | 3.1 | 116 |
| 21 | One-pot synthesis of imines from alcohols and amines with TiO ₂ loading Pt nanoparticles under UV irradiation. <i>Chemical Communications</i> , 2011, 47, 4811. | 2.2 | 113 |
| 22 | Vapor-Phase Synthesis of Mesoporous Silica Thin Films. <i>Chemistry of Materials</i> , 2003, 15, 1006-1011. | 3.2 | 110 |
| 23 | KOH activation of ordered mesoporous carbons prepared by a soft-templating method and their enhanced electrochemical properties. <i>Carbon</i> , 2010, 48, 1985-1989. | 5.4 | 106 |
| 24 | Nitrogen Fixation with Water on Carbon-Nitride-Based Metal-Free Photocatalysts with 0.1% Solar-to-Ammonia Energy Conversion Efficiency. <i>ACS Applied Energy Materials</i> , 2018, 1, 4169-4177. | 2.5 | 103 |
| 25 | Synthesis of ordered mesoporous carbon films, powders, and fibers by direct triblock-copolymer-templating method using an ethanol/water system. <i>Carbon</i> , 2009, 47, 2688-2698. | 5.4 | 99 |
| 26 | Selective Photocatalytic Oxidation of Alcohols to Aldehydes in Water by TiO ₂ Partially Coated with WO ₃ . <i>Chemistry - A European Journal</i> , 2011, 17, 9816-9824. | 1.7 | 99 |
| 27 | Hydrogen Peroxide Production on a Carbon Nitride-Boron Nitride-Reduced Graphene Oxide Hybrid Photocatalyst under Visible Light. <i>ChemCatChem</i> , 2018, 10, 2070-2077. | 1.8 | 97 |
| 28 | Polythiophene-Doped Resorcinol-Formaldehyde Resin Photocatalysts for Solar-to-Hydrogen Peroxide Energy Conversion. <i>Journal of the American Chemical Society</i> , 2021, 143, 12590-12599. | 6.6 | 96 |
| 29 | Platinum Nanoparticles Supported on Anatase Titanium Dioxide as Highly Active Catalysts for Aerobic Oxidation under Visible Light Irradiation. <i>ACS Catalysis</i> , 2012, 2, 1984-1992. | 5.5 | 95 |
| 30 | Theoretical analysis of the pseudo-second order kinetic model of adsorption. Application to the adsorption of Ag(I) to mesoporous silica microspheres functionalized with thiol groups. <i>Chemical Engineering Journal</i> , 2013, 218, 350-357. | 6.6 | 92 |
| 31 | Mellitic Triimide-Doped Carbon Nitride as Sunlight-Driven Photocatalysts for Hydrogen Peroxide Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6478-6485. | 3.2 | 92 |
| 32 | Dry gel conversion synthesis of SAPO-34 nanocrystals. <i>Materials Chemistry and Physics</i> , 2010, 123, 507-509. | 2.0 | 91 |
| 33 | Titanium Dioxide/Reduced Graphene Oxide Hybrid Photocatalysts for Efficient and Selective Partial Oxidation of Cyclohexane. <i>ACS Catalysis</i> , 2017, 7, 293-300. | 5.5 | 91 |
| 34 | Preparation and CO ₂ adsorption properties of aminopropyl-functionalized mesoporous silica microspheres. <i>Journal of Colloid and Interface Science</i> , 2009, 339, 382-389. | 5.0 | 87 |
| 35 | Light-Triggered Self-Assembly of Gold Nanoparticles Based on Photoisomerization of Spirothiopyran. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8304-8308. | 7.2 | 80 |
| 36 | Quantum tunneling injection of hot electrons in Au/TiO ₂ plasmonic photocatalysts. <i>Nanoscale</i> , 2017, 9, 8349-8361. | 2.8 | 75 |

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|----|--|-----|-----------|
| 37 | Nano-Architectural Silica Thin Films with Two-Dimensionally Connected Cage-like Pores Synthesized from Vapor Phase. <i>Journal of the American Chemical Society</i> , 2004, 126, 4854-4858. | 6.6 | 74 |
| 38 | Enhancement of Structural Stability of Mesoporous Silica Thin Films Prepared by Spin-Coating. <i>Chemistry of Materials</i> , 2002, 14, 4229-4234. | 3.2 | 72 |
| 39 | Synthesis of highly-monodisperse spherical titania particles with diameters in the submicron range. <i>Journal of Colloid and Interface Science</i> , 2009, 334, 188-194. | 5.0 | 72 |
| 40 | Hierarchical Pore Development of ZIF-8 MOF by Simple Salt-Assisted Mechanosynthesis. <i>Crystal Growth and Design</i> , 2018, 18, 274-279. | 1.4 | 72 |
| 41 | Highly efficient photocatalytic dehalogenation of organic halides on TiO ₂ loaded with bimetallic Pd-Pt alloy nanoparticles. <i>Chemical Communications</i> , 2011, 47, 7863. | 2.2 | 67 |
| 42 | An Experimental Investigation of the Ion Storage/Transfer Behavior in an Electrical Double-Layer Capacitor by Using Monodisperse Carbon Spheres with Microporous Structure. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26791-26799. | 1.5 | 66 |
| 43 | Grain size control of ZIF-8 membranes by seeding-free aqueous synthesis and their performances in propylene/propane separation. <i>Journal of Membrane Science</i> , 2017, 544, 306-311. | 4.1 | 57 |
| 44 | Solar-to-hydrogen peroxide energy conversion on resorcinol-formaldehyde resin photocatalysts prepared by acid-catalysed polycondensation. <i>Communications Chemistry</i> , 2020, 3, . | 2.0 | 55 |
| 45 | Layer-by-layer aqueous rapid synthesis of ZIF-8 films on a reactive surface. <i>Dalton Transactions</i> , 2013, 42, 11128. | 1.6 | 53 |
| 46 | A Simple Step toward Enhancing Hydrothermal Stability of ZIF-8. <i>ACS Omega</i> , 2019, 4, 19905-19912. | 1.6 | 52 |
| 47 | Surface modification of soft-templated ordered mesoporous carbon for electrochemical supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2015, 217, 141-149. | 2.2 | 50 |
| 48 | Structure of Mesoporous Silica Thin Films Prepared by Contacting PEO106/PPO70/PEO106 Films with Vaporized TEOS. <i>Chemistry of Materials</i> , 2006, 18, 5461-5466. | 3.2 | 49 |
| 49 | Photocatalytic Dehalogenation of Aromatic Halides on Ta ₂ O ₅ -Supported Pt-Pd Bimetallic Alloy Nanoparticles Activated by Visible Light. <i>ACS Catalysis</i> , 2017, 7, 5194-5201. | 5.5 | 47 |
| 50 | Pervaporation characteristics of pore-filling PDMS/PMHS membranes for recovery of ethylacetate from aqueous solution. <i>Journal of Membrane Science</i> , 2010, 348, 383-388. | 4.1 | 46 |
| 51 | Preparation of ordered mesoporous carbon membranes by a soft-templating method. <i>Carbon</i> , 2011, 49, 3184-3189. | 5.4 | 46 |
| 52 | One-Pot Synthesis of Imines from Nitroaromatics and Alcohols by Tandem Photocatalytic and Catalytic Reactions on Degussa (Evonik) P25 Titanium Dioxide. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3797-3806. | 4.0 | 44 |
| 53 | Pervaporation dehydration performance of microporous carbon membranes prepared from resorcinol/formaldehyde polymer. <i>Journal of Membrane Science</i> , 2011, 379, 52-59. | 4.1 | 43 |
| 54 | Mechanochemical synthesis of bimetallic CoZn-ZIFs with sodalite structure. <i>Polyhedron</i> , 2019, 158, 290-295. | 1.0 | 38 |

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|----|---|-----|-----------|
| 55 | Aqueous-System-Enabled Spray-Drying Technique for the Synthesis of Hollow Polycrystalline ZIF-8 MOF Particles. ACS Omega, 2017, 2, 6437-6445. | 1.6 | 37 |
| 56 | Vapor-Phase Synthesis of ZIF-8 MOF Thick Film by Conversion of ZnO Nanorod Array. Langmuir, 2018, 34, 7028-7033. | 1.6 | 37 |
| 57 | Pervaporation of organic/water mixtures with hydrophobic silica membranes functionalized by phenyl groups. Journal of Membrane Science, 2011, 380, 41-47. | 4.1 | 34 |
| 58 | Synthesis of Ordered Mesoporous Zirconium Phosphate Films by Spin Coating and Vapor Treatments. Langmuir, 2006, 22, 9469-9472. | 1.6 | 32 |
| 59 | Solvent/OSDA-free interzeolite transformation of FAU into CHA zeolite with quantitative yield. Microporous and Mesoporous Materials, 2019, 278, 219-224. | 2.2 | 31 |
| 60 | Preparation and Adsorption Properties of Thiol-Functionalized Mesoporous Silica Microspheres. Industrial & Engineering Chemistry Research, 2009, 48, 938-943. | 1.8 | 30 |
| 61 | Photocatalytic Dinitrogen Reduction with Water on Boron-Doped Carbon Nitride Loaded with Nickel Phosphide Particles. Langmuir, 2020, 36, 734-741. | 1.6 | 27 |
| 62 | Preparation and pervaporation properties of silica-zirconia membranes. Desalination, 2011, 266, 46-50. | 4.0 | 25 |
| 63 | Adsorption of carbon dioxide and nitrogen on zeolite rho prepared by hydrothermal synthesis using 18-crown-6 ether. Journal of Colloid and Interface Science, 2012, 388, 185-190. | 5.0 | 25 |
| 64 | Improving hydrothermal stability of acid sites in MFI type aluminosilicate zeolite (ZSM-5) by coating MFI type all silica zeolite (silicalite-1) shell layer. Microporous and Mesoporous Materials, 2019, 288, 109523. | 2.2 | 25 |
| 65 | Crystallization process of zeolite rho prepared by hydrothermal synthesis using 18-crown-6 ether as organic template. Journal of Colloid and Interface Science, 2012, 376, 28-33. | 5.0 | 24 |
| 66 | Correlation between the capacitor performance and pore structure of ordered mesoporous carbons. Advanced Powder Technology, 2013, 24, 737-742. | 2.0 | 24 |
| 67 | Incorporation of Organic Groups within the Channel Wall of Spin-On Mesostructured Silica Films by a Vapor Infiltration Technique. Langmuir, 2004, 20, 3780-3784. | 1.6 | 23 |
| 68 | Seeding-free aqueous synthesis of zeolitic imidazolate framework-8 membranes: How to trigger preferential heterogeneous nucleation and membrane growth in aqueous rapid reaction solution. Journal of Membrane Science, 2014, 472, 29-38. | 4.1 | 23 |
| 69 | Dehydrogenation of propane over high silica *BEA type gallosilicate (Ga-Beta). Catalysis Science and Technology, 2019, 9, 6234-6239. | 2.1 | 23 |
| 70 | Doping of Nb ⁵⁺ Species at the Au-TiO ₂ Interface for Plasmonic Photocatalysis Enhancement. Langmuir, 2019, 35, 5455-5462. | 1.6 | 21 |
| 71 | Mass transport and electrolyte accessibility through hexagonally ordered channels of self-assembled mesoporous carbons. Journal of Power Sources, 2013, 228, 24-31. | 4.0 | 20 |
| 72 | Fabrication of Pt nanoparticles encapsulated in single crystal like silicalite-1 zeolite as a catalyst for shape-selective hydrogenation of C6 olefins. Microporous and Mesoporous Materials, 2018, 271, 156-159. | 2.2 | 20 |

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|----|--|-----|-----------|
| 73 | Synthesis of silicalite-1 using an interspace of ordered mesoporous carbon [~] silica nanocomposites: Introduction of mesoporosity in zeolite crystals. <i>Microporous and Mesoporous Materials</i> , 2008, 113, 418-426. | 2.2 | 19 |
| 74 | Disordered mesoporous silica low-k thin films prepared by vapor deposition into a triblock copolymer template film. <i>Thin Solid Films</i> , 2008, 516, 4771-4776. | 0.8 | 18 |
| 75 | Improved thermal stability of mesoporous molecular sieves by vapor infiltration treatment. <i>Microporous and Mesoporous Materials</i> , 2003, 63, 105-112. | 2.2 | 17 |
| 76 | Development of AEI type germanoaluminophosphate (GeAPO-18) with ultra-weak acid sites and its catalytic properties for the methanol to olefin (MTO) reaction. <i>Catalysis Science and Technology</i> , 2017, 7, 4622-4628. | 2.1 | 17 |
| 77 | Formation of Ordered Mesostructured Silica by Vapor Infiltration of Tetraethoxysilane into Hexagonally Arranged Surfactant [~] Catalyst Nanocomposites. <i>Chemistry Letters</i> , 2005, 34, 1148-1149. | 0.7 | 16 |
| 78 | Self-Assembling Imidazolium-Based Ionic Liquid in Rigid Nanopores Induces Anomalous CO ₂ Adsorption at Low Pressure. <i>Langmuir</i> , 2011, 27, 7991-7995. | 1.6 | 16 |
| 79 | Water Gas Shift Reaction in a Membrane Reactor Using a High Hydrogen Permselective Silica Membrane. <i>Separation Science and Technology</i> , 2013, 48, 76-83. | 1.3 | 15 |
| 80 | Photocatalytic hydrogenolysis of epoxides using alcohols as reducing agents on TiO ₂ loaded with Pt nanoparticles. <i>Chemical Communications</i> , 2015, 51, 2294-2297. | 2.2 | 14 |
| 81 | Solvothermal co-gelation synthesis of N-doped three-dimensional open macro/mesoporous carbon as efficient electrocatalyst for oxygen reduction reaction. <i>Electrochemistry Communications</i> , 2017, 75, 9-12. | 2.3 | 14 |
| 82 | Synthesis of titanium silicalite-1 (TS-1) zeolite with high content of Ti by a dry gel conversion method using amorphous TiO ₂ [~] SiO ₂ composite with highly dispersed Ti species. <i>Materials Today Chemistry</i> , 2020, 16, 100209. | 1.7 | 14 |
| 83 | Solvent-free synthesis of Fe/N doped hierarchal porous carbon as an ideal electrocatalyst for oxygen reduction reaction. <i>Materials Today Energy</i> , 2020, 17, 100444. | 2.5 | 14 |
| 84 | Vapor infiltration techniques for spin-on mesoporous silica films. <i>Thin Solid Films</i> , 2006, 495, 186-190. | 0.8 | 13 |
| 85 | Aspects of a novel method for the pore size analysis of thin silica films based on krypton adsorption at liquid argon temperature (87.3K). <i>Studies in Surface Science and Catalysis</i> , 2007, , 551-554. | 1.5 | 13 |
| 86 | Mesoporous aluminosilicates assembled from dissolved LTA zeolite and triblock copolymer in the presence of tetramethylammonium hydroxide. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 491-496. | 5.0 | 13 |
| 87 | Mechanochemical synthesis of MOFs. , 2020, , 197-222. | | 13 |
| 88 | Anchoring a Co/2-methylimidazole complex on ion-exchange resin and its transformation to Co/N-doped carbon as an electrocatalyst for the ORR. <i>Catalysis Science and Technology</i> , 2019, 9, 578-582. | 2.1 | 12 |
| 89 | Development of hierarchical and phosphorous-modified HZSM-5 zeolites by sequential alkaline/acid treatments and their catalytic performances for methanol-to-olefins. <i>Materials Research Bulletin</i> , 2020, 130, 110958. | 2.7 | 12 |
| 90 | Ultrathin Silica Films with a Nanoporous Monolayer. <i>Chemistry Letters</i> , 2004, 33, 1408-1409. | 0.7 | 11 |

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|-----|--|-----|-----------|
| 91 | Fabrication of Co/P25 coated with thin nitrogen-doped carbon shells (Co/P25/NC) as an efficient electrocatalyst for oxygen reduction reaction (ORR). <i>Electrochimica Acta</i> , 2019, 296, 867-873. | 2.6 | 10 |
| 92 | Crystalline Rearranged CD-MOF Particles Obtained via Spray-Drying Synthesis Applied to Inhalable Formulations with High Drug Loading. <i>Crystal Growth and Design</i> , 2022, 22, 1143-1154. | 1.4 | 10 |
| 93 | Solvent/OSDA-free transformation of unseeded aluminosilicate into various zeolites via mechanochemical and vapor treatments. <i>Microporous and Mesoporous Materials</i> , 2019, 273, 273-275. | 2.2 | 9 |
| 94 | OSDA-free and steam-assisted synthesis of PHI type zeolite showing unique CO ₂ adsorption behaviour. <i>CrystEngComm</i> , 0, , . | 1.3 | 7 |
| 95 | Low-index mesoporous silica films modified with trimethylethoxysilane. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 318, 84-87. | 2.3 | 6 |
| 96 | Ordered Mesoporous Aluminosilicates Assembled from Dissolved LTA Precursors. <i>Topics in Catalysis</i> , 2010, 53, 224-230. | 1.3 | 6 |
| 97 | Vapor-assisted crystallization of <i>in situ</i> glycine-modified UiO-66 with enhanced CO ₂ adsorption. <i>New Journal of Chemistry</i> , 2022, 46, 1779-1784. | 1.4 | 6 |
| 98 | Mesophase Control of Mesoporous Silica Thin Films by Vapor-phase Preparation. <i>Chemistry Letters</i> , 2006, 35, 928-929. | 0.7 | 5 |
| 99 | Synthesis of Ordered Cage-like Mesoporous Aluminosilicates from Na-A Zeolite Precursors Dissolved in HCl. <i>Chemistry Letters</i> , 2009, 38, 780-781. | 0.7 | 5 |
| 100 | Synthesis of ordered mesoporous silicoaluminophosphates by using LTA zeolite precursors dissolved under acidic conditions. <i>Materials Letters</i> , 2013, 92, 259-262. | 1.3 | 5 |
| 101 | Synthesis of Amorphous TiO ₂ Nanoparticles with a High Surface Area and Their Transformation to Li ₄ Ti ₅ O ₁₂ Nanoparticles. <i>Chemistry Letters</i> , 2016, 45, 1285-1287. | 0.7 | 5 |
| 102 | Mechanochemically synthesized ZIF-8 nanoparticles blended into 6FDA-TrMPD membranes for C ₃ H ₆ /C ₃ H ₈ separation. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50251. | 1.3 | 5 |
| 103 | Photocatalytic Dinitrogen Fixation with Water on High-Phosphorus-Doped Carbon Nitride with Surface Nitrogen Vacancies. <i>Langmuir</i> , 2022, 38, 7137-7145. | 1.6 | 5 |
| 104 | Novel Periodic Nanoporous Silicate Glass With High Structural Stability as Low-k Thin Film. <i>Materials Research Society Symposia Proceedings</i> , 2002, 716, 1261. | 0.1 | 4 |
| 105 | Effects of poly-N-isopropylacrylamide on fluorescence properties of CdS/Cd(OH) ₂ nanoparticles in water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 205, 51-56. | 2.0 | 4 |
| 106 | Synthesis of Ordered Nanoporous Silica Film With High Structural Stability. <i>Materials Research Society Symposia Proceedings</i> , 2002, 716, 521. | 0.1 | 3 |
| 107 | Preparation of Spherical Magnetic Mesoporous Silica Containing Magnetite Nanoparticles by Phase Transfer. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 2577-2582. | 1.8 | 3 |
| 108 | Solvent- and OSDA-Free Synthesis of ZSM-5 Assisted by Mechanochemical and Vapor Treatments. <i>ChemistrySelect</i> , 2017, 2, 7651-7653. | 0.7 | 3 |

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|-----|---|-----|-----------|
| 109 | Fabrication of NiS _x /C with a tuned S/Ni molar ratio using Ni ²⁺ ions and Amberlyst for hydrogen evolution reaction (HER). International Journal of Hydrogen Energy, 2020, 45, 24567-24572. | 3.8 | 3 |
| 110 | Rational Design of Single Atomic Co in CoN _x Moieties on Graphene Matrix as an Ultra-Highly Efficient Active Site for Oxygen Reduction Reaction. ChemNanoMat, 2020, 6, 218-222. | 1.5 | 3 |
| 111 | Synthesis of ordered mesoporous carbons by a soft-templating method. Tanso, 2011, 2011, 70-74. | 0.1 | 3 |
| 112 | Electrochemical hydrogen evolution reaction over Co/P doped carbon derived from triethyl phosphite-deposited 2D nanosheets of Co/Al layered double hydroxides. International Journal of Hydrogen Energy, 2022, 47, 10638-10645. | 3.8 | 3 |
| 113 | Morphology Control of Ordered Mesoporous Carbon Using Organic-Templating Approach. , 0, , . | | 2 |
| 114 | Carbon Dioxide Adsorption Properties in Ion-exchanged Zeolites Rho. Chemistry Letters, 2012, 41, 125-126. | 0.7 | 2 |
| 115 | Phase-Controlled Synthesis of Zeolites from Sodium Aluminosilicate under OSDA/Solvent-Free Conditions. European Journal of Inorganic Chemistry, 2021, 2021, 1405-1409. | 1.0 | 2 |
| 116 | Single atomic Co coordinated with N in microporous carbon for oxygen reduction reaction obtained from Co/2-methylimidazole anchored to Y zeolite as a template. Materials Today Chemistry, 2021, 20, 100410. | 1.7 | 2 |
| 117 | Design of Zr- and Al-Doped *BEA-Type Zeolite to Boost LDPE Cracking. ACS Omega, 2022, 7, 12971-12977. | 1.6 | 2 |
| 118 | Self-assembly strategy for Co/N-doped meso/microporous carbon toward superior oxygen reduction catalysts. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 629, 127395. | 2.3 | 1 |
| 119 | MOF-based Membranes for Gas and Liquid Separations. Membrane, 2019, 44, 2-9. | 0.0 | 1 |
| 120 | Precisely controlled synthesis of Co/N species containing porous carbon for oxygen reduction reaction via anion exchange and CO ₂ activation. New Journal of Chemistry, 2022, 46, 2038-2043. | 1.4 | 1 |
| 121 | Hydrogen peroxide splitting on Nafion-coated graphene quantum dots/carbon nitride photocatalysts. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 430, 113949. | 2.0 | 1 |
| 122 | A Novel Strategy to Enhance Acid Strength of Zeolites by Incorporating Ge into Zeolite Framework. ChemistrySelect, 2022, 7, . | 0.7 | 1 |
| 123 | Vapor phase preparations of mesoporous silica thin films for ultra-low-k dielectrics. Studies in Surface Science and Catalysis, 2007, 165, 595-598. | 1.5 | 0 |
| 124 | Mesoporous aluminosilicates assembled from dissolved LTA precursor. Studies in Surface Science and Catalysis, 2008, , 341-344. | 1.5 | 0 |
| 125 | Synthesis of ordered mesoporous carbons in film morphology using organic-organic interaction approach. Studies in Surface Science and Catalysis, 2008, 174, 657-660. | 1.5 | 0 |
| 126 | Synthesis and Characterization of Ni-doped Silica Membranes Prepared Using a Hybrid Sol-Gel/CVD Method. Chemistry Letters, 2011, 40, 1159-1160. | 0.7 | 0 |

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|-----|---|-----|-----------|
| 127 | Periodic porous silica for low dielectric films. Membrane, 2003, 28, 177-184. | 0.0 | 0 |
| 128 | Ordered Mesoporous Silica Films Synthesized from Vapor Phase. Materials Research Society Symposia Proceedings, 2003, 775, 3121. | 0.1 | 0 |
| 129 | Vapor Treatments of Spin-On Mesostructured Silica Films for the Enhancement of Structural Stability. Materials Research Society Symposia Proceedings, 2003, 775, 331. | 0.1 | 0 |
| 130 | Crystal Size Engineering and Membrane Formation of ZIF-8 MOF. Membrane, 2016, 41, 165-172. | 0.0 | 0 |
| 131 | Crystal Size Control of Metal Organic Framework for Function Design and Membrane Separation. Membrane, 2018, 43, 224-230. | 0.0 | 0 |
| 132 | State-of-the-Art of Hydrocarbon Separation by Metal-Organic Framework Membranes. Membrane, 2020, 45, 286-294. | 0.0 | 0 |
| 133 | Solid-Phase Synthesis of Porous Carbon using Zinc Oxide Template. Journal of the Society of Powder Technology, Japan, 2021, 58, 497-504. | 0.0 | 0 |