# Wei Sea Chang

List of Publications by Year
in descending order

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|---|---|---|---|
| 126 papers | 13,421 citations | 76031 42 h-index | 24511 114 g-index |
| 129 all docs | 129 docs citations | 129 times ranked | 16825 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Synergistic effects of the hybridization between boron-doped carbon quantum dots and n/n-type g-C3N4 homojunction for boosted visible-light photocatalytic activity. Environmental Science and Pollution Research, 2022, 29, 41272-41292. | 2.7 | 11 |
| 2 | Insights from density functional theory calculations on heteroatom P-doped ZnIn2S4 bilayer nanosheets with atomic-level charge steering for photocatalytic water splitting. Scientific Reports, 2022, 12, 1927. | 1.6 | 20 |
| 3 | MXeneâ”€A New Paradigm Toward Artificial Nitrogen Fixation for Sustainable Ammonia Generation: Synthesis, Properties, and Future Outlook. , 2022, 4, 212-245. | | 20 |
| 4 | Red Phosphorus: An Up-and-Coming Photocatalyst on the Horizon for Sustainable Energy Development and Environmental Remediation. Chemical Reviews, 2022, 122, 3879-3965. | 23.0 | 58 |
| 5 | Uncovering the multifaceted roles of nitrogen defects in graphitic carbon nitride for selective photocatalytic carbon dioxide reduction: a density functional theory study. Physical Chemistry Chemical Physics, 2022, 24, 11124-11130. | 1.3 | 4 |
| 6 | Recent Advances in Nanoscale Engineering of Ternary Metal Sulfide-Based Heterostructures for Photocatalytic Water Splitting Applications. Energy & Fuels, 2022, 36, 4250-4267. | 2.5 | 36 |
| 7 | Charge Modulation at Atomicâ€Level through Substitutional Sulfur Doping into Atomically Thin Bi<sub>2</sub>WO<sub>6</sub> toward Promoting Photocatalytic CO<sub>2</sub> Reduction. ChemSusChem, 2022, 15, . | 3.6 | 18 |
| 8 | Allotropes selection apropos of photocatalytic CO2 reduction from first principles studies. Materials Today Physics, 2022, , 100751. | 2.9 | 3 |
| 9 | Photocatalytic Hydrogen Evolution from Artificial Seawater Splitting over Amorphous Carbon Nitride: Optimization and Process Parameters Study via Response Surface Modeling. Materials, 2022, 15, 4894. | 1.3 | 2 |
| 10 | Metal-free n/nâ€“junctioned graphitic carbon nitride (g-C3N4): a study to elucidate its charge transfer mechanism and application for environmental remediation. Environmental Science and Pollution Research, 2021, 28, 4388-4403. | 2.7 | 22 |
| 11 | Evolution of domain structure and ferroelectric polarization in praseodymium doped BiFeO3 ceramics. Materials Research Bulletin, 2021, 133, 111054. | 2.7 | 9 |
| 12 | Z-scheme photocatalyst sheets with P-doped twinned Zn0.5Cd0.5S1-x and Bi4NbO8Cl connected by carbon electron mediator for overall water splitting under ambient condition. Chemical Engineering Journal, 2021, 404, 127030. | 6.6 | 36 |
| 13 | Protonâ€Functionalized Graphitic Carbon Nitride for Efficient Metalâ€Free Destruction of Escherichia coli under Lowâ€Power Light Irradiation. Chemistry - A European Journal, 2021, 27, 3085-3090. | 1.7 | 7 |
| 14 | Metalâ€“Organic Framework Decorated Cuprous Oxide Nanowires for Longâ€lived Charges Applied in Selective Photocatalytic CO<sub>2</sub> Reduction to CH<sub>4</sub>. Angewandte Chemie, 2021, 133, 8536-8540. | 1.6 | 11 |
| 15 | Metalâ€“Organic Framework Decorated Cuprous Oxide Nanowires for Longâ€lived Charges Applied in Selective Photocatalytic CO<sub>2</sub> Reduction to CH<sub>4</sub>. Angewandte Chemie - International Edition, 2021, 60, 8455-8459. | 7.2 | 152 |
| 16 | A Synergistic Combination of Pâ€doped Zn<sub>0.5</sub>Cd<sub>0.5</sub>S and CoP for Dualâ€Stage Electron Trapping and Its Application in Seawater Splitting. Solar Rrl, 2021, 5, 2100016. | 3.1 | 22 |
| 17 | Improved polarization switching and piezoresponse in Nd and Mn co-doped BiFeO3 ceramics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 269, 115180. | 1.7 | 3 |
| 18 | Photostrictive behavior as the piezo-phototronic effect in InGaN/GaN multiple quantum wells. Nano Energy, 2021, 86, 106085. | 8.2 | 4 |

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|---|---|---|---|
| 19 | Atomistic Insights into the Reformation of CH<sub>4</sub> with CO<sub>2</sub> on Metal-Free gC<sub>3</sub>N<sub>4</sub>: Unraveling the Reaction Mechanisms Using First-Principles DFT Calculations. Journal of Physical Chemistry C, 2021, 125, 23021-23028. | 1.5 | 7 |
| 20 | Rational design of ordered Bi/ZnO nanorod arrays: surface modification, optical energy band alteration and switchable wettability study. Journal of Materials Research and Technology, 2021, 15, 5213-5220. | 2.6 | 2 |
| 21 | Nonporous, Strong, Stretchable, and Transparent Electrospun Aromatic Polyurea Nanocomposites as Potential Anticorrosion Coating Films. Nanomaterials, 2021, 11, 2998. | 1.9 | 8 |
| 22 | Fractal grid-induced turbulence strength characterization via piezoelectric thin-film flapping velocimetry. Scientific Reports, 2021, 11, 23322. | 1.6 | 2 |
| 23 | Enhancement of local piezoresponse in samarium and manganese co-doped bismuth ferrite ceramics. Journal of Alloys and Compounds, 2020, 815, 152383. | 2.8 | 10 |
| 24 | Local piezoresponse in BiFeO3â€“HoFeO3 ceramics across morphotropic phase boundary. Materials Research Bulletin, 2020, 121, 110626. | 2.7 | 11 |
| 25 | Overall pure water splitting using one-dimensional P-doped twinned Zn0.5Cd0.5S1-x nanorods via synergetic combination of long-range ordered homojunctions and interstitial S vacancies with prolonged carrier lifetime. Applied Catalysis B: Environmental, 2020, 262, 118309. | 10.8 | 54 |
| 26 | Insights on the impact of doping levels in oxygen-doped gC3N4 and its effects on photocatalytic activity. Applied Surface Science, 2020, 504, 144427. | 3.1 | 69 |
| 27 | Interfacial engineering of a zinc blende/wurtzite homojunction photocatalyst through hybridization with a cobalt phosphide co-catalyst for enhanced visible-light-driven photocatalytic H<sub>2</sub> evolution. Sustainable Energy and Fuels, 2020, 4, 1822-1827. | 2.5 | 14 |
| 28 | An insight into perovskite-based photocatalysts for artificial photosynthesis. Sustainable Energy and Fuels, 2020, 4, 973-984. | 2.5 | 41 |
| 29 | Energy level tuning of CdSe colloidal quantum dots in ternary 0D-2D-2D CdSe QD/B-rGO/O-gC3N4 as photocatalysts for enhanced hydrogen generation. Applied Catalysis B: Environmental, 2020, 265, 118592. | 10.8 | 45 |
| 30 | Nitrogen-doped carbon quantum dots-decorated 2D graphitic carbon nitride as a promising photocatalyst for environmental remediation: A study on the importance of hybridization approach. Journal of Environmental Management, 2020, 255, 109936. | 3.8 | 50 |
| 31 | Performance of all-solution-processed, durable 2D MoS2 flakesâ^BaTiO3 nanoparticles in polyvinylidene fluoride matrix nanogenerator devices using N-methyl-2-pyrrolidone polar solvent. Journal of Alloys and Compounds, 2020, 820, 153160. | 2.8 | 28 |
| 32 | Atomic-Scale Domain Mediation in Nd-Doped BiFeO<sub>3</sub> Film. ACS Applied Electronic Materials, 2020, 2, 4127-4133. | 2.0 | 0 |
| 33 | Role of O 2p-Ti 3d orbital hybridization in dielectric and ferroelectric properties of barium zirconate titanate ceramics. Materials Research Bulletin, 2020, 129, 110905. | 2.7 | 5 |
| 34 | Topotactic Transformation of Bismuth Oxybromide into Bismuth Tungstate: Bandgap Modulation of Single-Crystalline {001}-Faceted Nanosheets for Enhanced Photocatalytic CO<sub>2</sub> Reduction. ACS Applied Materials & Interfaces, 2020, 12, 26991-27000. | 4.0 | 53 |
| 35 | Tuning the electronic band structure of graphitic carbon nitride by breaking intramolecular bonds: A simple and effective approach for enhanced photocatalytic hydrogen production. Applied Surface Science, 2020, 529, 146600. | 3.1 | 9 |
| 36 | Tunable Plasmon-Induced Charge Transport and Photon Absorption of Bimetallic Auâ€“Ag Nanoparticles on ZnO Photoanode for Photoelectrochemical Enhancement under Visible Light. Journal of Physical Chemistry C, 2020, 124, 14105-14117. | 1.5 | 23 |

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|---|---|---|---|
| 37 | Zâ€Scheme Photocatalytic Systems for Solar Water Splitting. Advanced Science, 2020, 7, 1903171. | 5.6 | 295 |
| 38 | Fabrication of Bi<sub>2</sub>WO<sub>6</sub>/Cu/WO<sub>3</sub> Allâ€Solidâ€State Zâ€Scheme Composite Photocatalyst to Improve CO<sub>2</sub> Photoreduction under Visible Light Irradiation. ChemCatChem, 2019, 11, 6431-6438. | 1.8 | 58 |
| 39 | Silver nanowires as flexible transparent electrode: Role of PVP chain length. Journal of Alloys and Compounds, 2019, 803, 165-171. | 2.8 | 31 |
| 40 | Effective steering of charge flow through synergistic inducing oxygen vacancy defects and p-n heterojunctions in 2D/2D surface-engineered Bi2WO6/BiOI cascade: Towards superior photocatalytic CO2 reduction activity. Chemical Engineering Journal, 2019, 372, 1183-1193. | 6.6 | 210 |
| 41 | Engineering surface oxygen defects on tungsten oxide to boost photocatalytic oxygen evolution from water splitting. Chemical Communications, 2019, 55, 6265-6268. | 2.2 | 29 |
| 42 | Electric field and temperature induced local polarization switching and piezoresponse in Bi0.88Sm0.12FeO3 ceramics for nanoscale applications. Journal of Alloys and Compounds, 2019, 790, 587-596. | 2.8 | 8 |
| 43 | Midgap-state-mediated two-step photoexcitation in nitrogen defect-modified g-C<sub>3</sub>N<sub>4</sub> atomic layers for superior photocatalytic CO<sub>2</sub> reduction. Catalysis Science and Technology, 2019, 9, 2335-2343. | 2.1 | 83 |
| 44 | Ag diffusion inhibition and enhanced flexural strength in low temperature co-fired CaO-Al2O3-B2O3-SiO2 glasses. Journal of Alloys and Compounds, 2019, 782, 1094-1102. | 2.8 | 3 |
| 45 | Energy Band Gap Modulation in Nd-Doped BiFeO<sub>3</sub>/SrRuO<sub>3</sub> Heteroepitaxy for Visible Light Photoelectrochemical Activity. ACS Applied Materials & Interfaces, 2019, 11, 1655-1664. | 4.0 | 25 |
| 46 | Tailoring the properties of oxygenated graphene with different oxidation degrees for noble-metal-free photocatalytic hydrogen evolution. Catalysis Today, 2018, 315, 93-102. | 2.2 | 16 |
| 47 | Tunable Spectrum Selectivity for Multiphoton Absorption with Enhanced Visible Light Trapping in ZnO Nanorods. Small, 2018, 14, e1704053. | 5.2 | 16 |
| 48 | A novel repeated self-healing epoxy composite with alginate multicore microcapsules. Journal of Materials Chemistry A, 2018, 6, 8470-8478. | 5.2 | 85 |
| 49 | The giant strain response mechanism in textured Mn-modified 0.925(Bi0.5Na0.5)TiO3-0.075BaTiO3 relaxor ferroelectric ceramics. Journal of Alloys and Compounds, 2018, 737, 705-717. | 2.8 | 19 |
| 50 | Engineering nanoscale pâ€“n junction via the synergetic dual-doping of p-type boron-doped graphene hybridized with n-type oxygen-doped carbon nitride for enhanced photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 3181-3194. | 5.2 | 143 |
| 51 | Microâ€toâ€nano domain structure and orbital hybridization in rareâ€earthâ€doped BiFeO<sub>3</sub> across morphotropic phase boundary. Journal of the American Ceramic Society, 2018, 101, 883-896. | 1.9 | 28 |
| 52 | Synthesis of ZnO nanoflakes by 1064 nm Nd:YAG pulsed laser deposition in a horizontal tube furnace. , 2018, , . | | 0 |
| 53 | A study of water permeation using glycerol as the draw solution with thin film composite membranes in forward osmosis and pressure retarded osmosis configurations. AIP Conference Proceedings, 2018, , . | 0.3 | 4 |
| 54 | Heteroatom Nitrogen- and Boron-Doping as a Facile Strategy to Improve Photocatalytic Activity of Standalone Reduced Graphene Oxide in Hydrogen Evolution. ACS Applied Materials & Interfaces, 2017, 9, 4558-4569. | 4.0 | 128 |

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|---|---|---|---|
| 55 | Harnessing Visâ€“NIR broad spectrum for photocatalytic CO2 reduction over carbon quantum dots-decorated ultrathin Bi2WO6 nanosheets. Nano Research, 2017, 10, 1720-1731. | 5.8 | 135 |
| 56 | Review of the synthesis, transfer, characterization and growth mechanisms of single and multilayer graphene. RSC Advances, 2017, 7, 15644-15693. | 1.7 | 263 |
| 57 | Unravelling charge carrier dynamics in protonated g-C3N4 interfaced with carbon nanodots as co-catalysts toward enhanced photocatalytic CO2 reduction: A combined experimental and first-principles DFT study. Nano Research, 2017, 10, 1673-1696. | 5.8 | 376 |
| 58 | Electric field induced nanoscale polarization switching and piezoresponse in Sm and Mn co-doped BiFeO3 multiferroic ceramics by using piezoresponse force microscopy. Acta Materialia, 2017, 132, 174-181. | 3.8 | 48 |
| 59 | Self-Assembled Heteroepitaxial AuNPs/SrTiO<sub>3</sub>: Influence of AuNPs Size on SrTiO<sub>3</sub> Band Gap Tuning for Visible Light-Driven Photocatalyst. Journal of Physical Chemistry C, 2017, 121, 13487-13495. | 1.5 | 20 |
| 60 | Effects of Fe 3dâ€“O 2p and Bi 6spâ€“O 2p orbital hybridizations in Nd doped BiFeO3 ceramics. Journal of Alloys and Compounds, 2017, 710, 670-679. | 2.8 | 34 |
| 61 | Two-dimensional bismuth oxybromide coupled with molybdenum disulphide for enhanced dye degradation using low power energy-saving light bulb. Journal of Environmental Management, 2017, 197, 63-69. | 3.8 | 25 |
| 62 | Performance improvement of dye-sensitized solar cell by introducing Sm3+/Y3+ co-doped TiO2 film as an efficient blocking layer. Thin Solid Films, 2017, 631, 141-146. | 0.8 | 10 |
| 63 | Photocatalytic degradation of industrial pulp and paper mill effluent using synthesized magnetic Fe 2 O 3 -TiO 2 : Treatment efficiency and characterizations of reused photocatalyst. Journal of Environmental Management, 2017, 187, 298-310. | 3.8 | 109 |
| 64 | Effect of indirect irradiation on surface morphology of Au film by nanosecond laser. Applied Physics A: Materials Science and Processing, 2017, 123, 1. | 1.1 | 3 |
| 65 | Photocatalytic reduction of CO 2 with H 2 O over graphene oxide-supported oxygen-rich TiO 2 hybrid photocatalyst under visible light irradiation: Process and kinetic studies. Chemical Engineering Journal, 2017, 308, 248-255. | 6.6 | 141 |
| 66 | Graphitic Carbon Nitride (g-C<sub>3</sub>N<sub>4</sub>)-Based Photocatalysts for Artificial Photosynthesis and Environmental Remediation: Are We a Step Closer To Achieving Sustainability?. Chemical Reviews, 2016, 116, 7159-7329. | 23.0 | 5,505 |
| 67 | Simultaneous growth of monolayer graphene on Niâ€“Cu bimetallic catalyst by atmospheric pressure CVD process. RSC Advances, 2016, 6, 41447-41452. | 1.7 | 2 |
| 68 | Graphene oxide: Exploiting its unique properties toward visible-light-driven photocatalysis. Applied Materials Today, 2016, 4, 9-16. | 2.3 | 110 |
| 69 | Oxygenâ€Deficient BiOBr as a Highly Stable Photocatalyst for Efficient CO<sub>2</sub> Reduction into Renewable Carbonâ€Neutral Fuels. ChemCatChem, 2016, 8, 3074-3081. | 1.8 | 120 |
| 70 | Tunable photoelectrochemical performance of Au/BiFeO<sub>3</sub>heterostructure. Nanoscale, 2016, 8, 15795-15801. | 2.8 | 76 |
| 71 | Sol-hydrothermal synthesis of TiO 2 :Sm 3+ nanoparticles and their enhanced photovoltaic properties. Journal of Alloys and Compounds, 2016, 686, 803-809. | 2.8 | 15 |
| 72 | Oxygen vacancy induced Bi<sub>2</sub>WO<sub>6</sub> for the realization of photocatalytic CO<sub>2</sub> reduction over the full solar spectrum: from the UV to the NIR region. Chemical Communications, 2016, 52, 14242-14245. | 2.2 | 248 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Electrosprayed Multi-Core Alginate Microcapsules as Novel Self-Healing Containers. Scientific Reports, 2016, 6, 34674. | 1.6 | 35 |
| 74 | Influence of the processing methods on the properties of poly(lactic acid)/halloysite nanocomposites. Polymer Composites, 2016, 37, 861-869. | 2.3 | 37 |
| 75 | Enhancement in the photocatalytic activity of carbon nitride through hybridization with light-sensitive AgCl for carbon dioxide reduction to methane. Catalysis Science and Technology, 2016, 6, 744-754. | 2.1 | 50 |
| 76 | Heterostructured AgX/g-C3N4 (X = Cl and Br) nanocomposites via a sonication-assisted deposition-precipitation approach: Emerging role of halide ions in the synergistic photocatalytic reduction of carbon dioxide. Applied Catalysis B: Environmental, 2016, 180, 530-543. | 10.8 | 277 |
| 77 | Spontaneous orientation-tuning driven by the strain variation in self-assembled ZnO-SrRuO3 heteroepitaxy. Applied Physics Letters, 2015, 107, . | 1.5 | 4 |
| 78 | Enhanced Evaporation Strength through Fast Water Permeation in Graphene-Oxide Deposition. Scientific Reports, 2015, 5, 11896. | 1.6 | 36 |
| 79 | Heteroepitaxial approach to explore charge dynamics across Au/BiVO4 interface for photoactivity enhancement. Nano Energy, 2015, 15, 625-633. | 8.2 | 71 |
| 80 | Preparation of self-supported crystalline merlinoite-type zeolite W membranes through vacuum filtration and crystallization for CO<sub>2</sub>/CH<sub>4</sub> separations. New Journal of Chemistry, 2015, 39, 4135-4140. | 1.4 | 9 |
| 81 | Surface charge modification via protonation of graphitic carbon nitride (g-C3N4) for electrostatic self-assembly construction of 2D/2D reduced graphene oxide (rGO)/g-C3N4 nanostructures toward enhanced photocatalytic reduction of carbon dioxide to methane. Nano Energy, 2015, 13, 757-770. | 8.2 | 718 |
| 82 | Heteroatom doped graphene in photocatalysis: A review. Applied Surface Science, 2015, 358, 2-14. | 3.1 | 298 |
| 83 | Noble metal modified reduced graphene oxide/TiO2 ternary nanostructures for efficient visible-light-driven photoreduction of carbon dioxide into methane. Applied Catalysis B: Environmental, 2015, 166-167, 251-259. | 10.8 | 196 |
| 84 | Graphene oxide as a structure-directing agent for the two-dimensional interface engineering of sandwich-like grapheneâ€“g-C<sub>3</sub>N<sub>4</sub> hybrid nanostructures with enhanced visible-light photoreduction of CO<sub>2</sub> to methane. Chemical Communications, 2015, 51, 858-861. | 2.2 | 393 |
| 85 | Heterojunction engineering of graphitic carbon nitride (g-C<sub>3</sub>N<sub>4</sub>) via Pt loading with improved daylight-induced photocatalytic reduction of carbon dioxide to methane. Dalton Transactions, 2015, 44, 1249-1257. | 1.6 | 307 |
| 86 | Synergistic effect of graphene as a co-catalyst for enhanced daylight-induced photocatalytic activity of Zn<sub>0.5</sub>Cd<sub>0.5</sub>S synthesized via an improved one-pot co-precipitation-hydrothermal strategy. RSC Advances, 2014, 4, 59676-59685. | 1.7 | 61 |
| 87 | Dehydration of glycerin solution using pervaporation: HybSi and polydimethylsiloxane membranes. Journal of Membrane Science, 2014, 450, 440-446. | 4.1 | 16 |
| 88 | Phosphorus removal by NF90 membrane: Optimisation using central composite design. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 1260-1269. | 2.7 | 17 |
| 89 | An overview: synthesis of thin films/membranes of metal organic frameworks and its gas separation performances. RSC Advances, 2014, 4, 54322-54334. | 1.7 | 65 |
| 90 | Continuous polycrystalline ZIF-8 membrane supported on CO<sub>2</sub>-selective mixed matrix supports for CO<sub>2</sub>/CH<sub>4</sub> separation. RSC Advances, 2014, 4, 52461-52466. | 1.7 | 14 |

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|---|---|---|---|
| 91 | Enhanced Daylight-Induced Photocatalytic Activity of Solvent Exfoliated Graphene (SEG)/ZnO Hybrid Nanocomposites toward Degradation of Reactive Black 5. Industrial & Engineering Chemistry Research, 2014, 53, 17333-17344. | 1.8 | 79 |
| 92 | Visible-light-driven MWCNT@TiO<sub>2</sub> coreâ€“shell nanocomposites and the roles of MWCNTs on the surface chemistry, optical properties and reactivity in CO<sub>2</sub> photoreduction. RSC Advances, 2014, 4, 24007-24013. | 1.7 | 43 |
| 93 | Modification of MWCNT@TiO2 coreâ€“shell nanocomposites with transition metal oxide dopants for photoreduction of carbon dioxide into methane. Applied Surface Science, 2014, 319, 37-43. | 3.1 | 33 |
| 94 | Tuning Electronic Transport in a Self-Assembled Nanocomposite. ACS Nano, 2014, 8, 6242-6249. | 7.3 | 15 |
| 95 | Self-assembly of nitrogen-doped TiO2 with exposed {001} facets on a graphene scaffold as photo-active hybrid nanostructures for reduction of carbon dioxide to methane. Nano Research, 2014, 7, 1528-1547. | 5.8 | 236 |
| 96 | An enhanced hybrid membrane of ZIF-8 and zeolite T for CO2/CH4 separation. CrystEngComm, 2014, 16, 3072-3075. | 1.3 | 12 |
| 97 | Performance studies of phosphorus removal using cross-flow nanofiltration. Desalination and Water Treatment, 2014, 52, 5974-5982. | 1.0 | 11 |
| 98 | Synthesis and performance of microporous inorganic membranes for CO2 separation: a review. Journal of Porous Materials, 2013, 20, 1457-1475. | 1.3 | 34 |
| 99 | Parametric Study of Methane Catalytic CVD into Singleâ€walled Carbon Nanotubes Using Spinâ€coated Iron Nanoparticles. Chemical Vapor Deposition, 2013, 19, 53-60. | 1.4 | 4 |
| 100 | Reduced graphene oxide-TiO2 nanocomposite as a promising visible-light-active photocatalyst for the conversion of carbon dioxide. Nanoscale Research Letters, 2013, 8, 465. | 3.1 | 323 |
| 101 | Effects of Growth Parameters on the Morphology of Aligned Carbon Nanotubes Synthesized by Floating Catalyst and the Growth Model. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 765-777. | 1.0 | 9 |
| 102 | Identification of the Effect of Cobalt Contents on Effective Synthesis of Carbon Nanotubes from Methane Decomposition. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 75-87. | 1.0 | 7 |
| 103 | Catalytic Decomposition of Methane to Carbon Nanotubes and Hydrogen: The Effect of Metal Loading on the Activity of CoO-MoO/Al<sub>2</sub>O<sub>3</sub>Catalyst. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 158-170. | 1.0 | 13 |
| 104 | Growth of uniform thin-walled carbon nanotubes with spin-coated Fe catalyst and the correlation between the pre-growth catalyst size and the nanotube diameter. Journal of Nanoparticle Research, 2013, 15, 1. | 0.8 | 11 |
| 105 | Direct growth of carbon nanotubes on Ni/TiO2 as next generation catalysts for photoreduction of CO2 to methane by water under visible light irradiation. RSC Advances, 2013, 3, 4505. | 1.7 | 157 |
| 106 | Amineâ€functionalization of multiâ€walled carbon nanotubes for adsorption of carbon dioxide. Asia-Pacific Journal of Chemical Engineering, 2013, 8, 262-270. | 0.8 | 5 |
| 107 | PRODUCTION OF CARBON NANOTUBES FROM CHEMICAL VAPOR DEPOSITION OF METHANE IN A CONTINUOUS ROTARY REACTOR SYSTEM. Chemical Engineering Communications, 2012, 199, 600-607. | 1.5 | 15 |
| 108 | Synthesis and Applications of Grapheneâ€Based TiO<sub>2</sub> Photocatalysts. ChemSusChem, 2012, 5, 1868-1882. | 3.6 | 226 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Optimisation of reaction conditions for the synthesis of singleâ€walled carbon nanotubes using response surface methodology. Canadian Journal of Chemical Engineering, 2012, 90, 489-505. | 0.9 | 18 |
| 110 | Stress and electric field induced phase transformation phenomena in [0 1 1]-poled PZNâ€“PT single crystals of [1 0 0]-length cut. Sensors and Actuators A: Physical, 2011, 168, 112-116. | 2.0 | 8 |
| 111 | Influence of a Fe/activated carbon catalyst and reaction parameters on methane decomposition during the synthesis of carbon nanotubes. Chemical Papers, 2010, 64, . | 1.0 | 5 |
| 112 | Optimization of Carbon Nanotubes Synthesis via Methane Decomposition over Alumina-Based Catalyst. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 273-284. | 1.0 | 16 |
| 113 | Nanotwin domains in high-strain ferroelectric 89.5%Pb(Zn1/3Nb2/3)O3â€“10.5%PbTiO3 single crystal. Journal of Applied Physics, 2010, 108, 106102. | 1.1 | 3 |
| 114 | Transformation stress induced metastable tetragonal phase in (93â€“92)%Pb(Zn1/3Nb2/3)O3â€“(7â€“8)%PbTiO3 single crystals. Journal of Applied Physics, 2010, 108, 044105. | 1.1 | 8 |
| 115 | Tetragonal micro/nanotwins in 0.91Pb(Zn1/3Nb2/3)O3â^'0.09PbTiO3 revealed by reciprocal space mapping. Applied Physics Letters, 2009, 94, . | 1.5 | 19 |
| 116 | Rhombohedral and tetragonal nanotwin domains and thermally induced phase transformations in PZNâ€“8%PT single crystals. Journal of Physics Condensed Matter, 2008, 20, 445218. | 0.7 | 2 |
| 117 | Structural phase transformations and nanotwin domains in 0.93Pb(Zn<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>â€“0.07PbTiO<sub>3</sub>. Journal of Physics Condensed Matter, 2008, 20, 395229. | 0.7 | 5 |
| 118 | Phase transformations in poled PZN-4.5%PT single crystal revealed by combined property measurements and high-resolution diffraction technique. Journal of Applied Physics, 2008, 104, 054102. | 1.1 | 14 |
| 119 | Nanotwins and phases in high-strain Pb(Mg1/3Nb2/3)1â^'xTixO3 crystal. Journal of Applied Physics, 2008, 103, . | 1.1 | 18 |
| 120 | Phase transformation in unpoled bulk Pb(Zn1â^•3Nb2â^•3)O3â€“8%PbTiO3 single crystals revealed by the fracturing technique. Journal of Applied Physics, 2008, 103, . | 1.1 | 9 |
| 121 | Rhombohedral-to-tetragonal phase transformation and thermal depolarization in relaxor-based ferroelectric single crystal. Applied Physics Letters, 2008, 93, 082903. | 1.5 | 10 |
| 122 | Phase transformations in annealed PZN-4.5%PT single crystals. Journal of Applied Physics, 2008, 103, 084122. | 1.1 | 13 |
| 123 | Transverse-Mode Properties of [011]-Poled Pb(Zn1/3Nb2/3)O3â€“PbTiO3Single Crystals: Effects of Composition, Length Orientation, and Poling Conditions. Japanese Journal of Applied Physics, 2007, 46, 681-685. | 0.8 | 23 |
| 124 | Surface layer in relaxor ferroelectric PZN-4.5%PT single crystals. Journal of Applied Physics, 2007, 101, 124104. | 1.1 | 19 |
| 125 | Dielectric and piezoelectric properties of [001] and [011]-poled relaxor ferroelectric PZNâ€“PT and PMNâ€“PT single crystals. Sensors and Actuators A: Physical, 2007, 133, 110-116. | 2.0 | 100 |
| 126 | Electrostatic Contribution to the Photo-Assisted Piezoresponse Force Microscopy by Photo-Induced Surface Charge. Microscopy and Microanalysis, 0, , 1-5. | 0.2 | 0 |