

Zhu Yongfa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

371
papers

35,833
citations

108
h-index

180
g-index

381
ext. papers

40,816
ext. citations

10.4
avg, IF

7.97
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 371 | High Photocatalytic Oxygen Evolution via Strong Built-in Electric Field induced by High Crystallinity of Perylene Imide Supramolecule.. <i>Advanced Materials</i> , 2022 , e2102354 | 24 | 5 |
| 370 | Monodisperse Ni-clusters anchored on carbon nitride for efficient photocatalytic hydrogen evolution. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 536-545 | 11.3 | 3 |
| 369 | Cation-Deficiency-Dependent CO ₂ Electroreduction over Copper-Based Ruddlesden-Popper Perovskite Oxides. <i>Angewandte Chemie</i> , 2022 , 134, e202111670 | 3.6 | |
| 368 | Residual iodine on in-situ transformed bismuth nanosheets induced activity difference in CO ₂ electroreduction. <i>Journal of CO₂ Utilization</i> , 2022 , 55, 101802 | 7.6 | 0 |
| 367 | Perylenetetracarboxylic acid nanosheets with internal electric fields and anisotropic charge migration for photocatalytic hydrogen evolution.. <i>Nature Communications</i> , 2022 , 13, 2067 | 17.4 | 6 |
| 366 | Electron Donor-Acceptor Interface of TPPS/PDI Boosting Charge Transfer for Efficient Photocatalytic Hydrogen Evolution.. <i>Advanced Science</i> , 2022 , e2201134 | 13.6 | 5 |
| 365 | Engineering Low-Coordination Single-Atom Cobalt on Graphitic Carbon Nitride Catalyst for Hydrogen Evolution. <i>ACS Catalysis</i> , 2022 , 12, 5517-5526 | 13.1 | 3 |
| 364 | Cation-Deficiency-Dependent CO Electroreduction over Copper-Based Ruddlesden-Popper Perovskite Oxides. <i>Angewandte Chemie - International Edition</i> , 2021 , | 16.4 | 3 |
| 363 | Construction of Interfacial Electric Field via Dual-Porphyrin Heterostructure Boosting Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2021 , e2106807 | 24 | 20 |
| 362 | Solar water recycling of carbonaceous aerogel in open and closed systems for seawater desalination and wastewater purification. <i>Chemical Engineering Journal</i> , 2021 , 133824 | 14.7 | 4 |
| 361 | Steering Electron-Hole Migration Pathways Using Oxygen Vacancies in Tungsten Oxides to Enhance Their Photocatalytic Oxygen Evolution Performance. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8236-8242 | 16.4 | 66 |
| 360 | Steering Electron-Hole Migration Pathways Using Oxygen Vacancies in Tungsten Oxides to Enhance Their Photocatalytic Oxygen Evolution Performance. <i>Angewandte Chemie</i> , 2021 , 133, 8317-8323 | 3.6 | 4 |
| 359 | Photochemical synthesis of Ni-Ni(OH) ₂ synergistic cocatalysts hybridized with CdS nanorods for efficient photocatalytic hydrogen evolution. <i>FlatChem</i> , 2021 , 26, 100232 | 5.1 | 7 |
| 358 | CO Electroreduction to Formate at a Partial Current Density up to 590 mA mg via Micrometer-Scale Lateral Structuring of Bismuth Nanosheets. <i>Small</i> , 2021 , 17, e2100602 | 11 | 5 |
| 357 | Supramolecular Zinc Porphyrin Photocatalyst with Strong Reduction Ability and Robust Built-In Electric Field for Highly Efficient Hydrogen Production. <i>Advanced Energy Materials</i> , 2021 , 11, 2101392 | 21.8 | 29 |
| 356 | Highly-crystalline Triazine-PDI Polymer with an Enhanced Built-in Electric Field for Full-Spectrum Photocatalytic Phenol Mineralization. <i>Applied Catalysis B: Environmental</i> , 2021 , 287, 119957 | 21.8 | 20 |
| 355 | Bi ₄ O ₅ Br ₂ nanosheets with vertical aligned facets for efficient visible-light-driven photodegradation of BPA. <i>Applied Catalysis B: Environmental</i> , 2021 , 286, 119937 | 21.8 | 17 |

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| 354 | Research progress on methane conversion coupling photocatalysis and thermocatalysis 2021 , 3, 519-540 | | 9 |
| 353 | Photogenerated-hole-induced rapid elimination of solid tumors by the supramolecular porphyrin photocatalyst. <i>National Science Review</i> , 2021 , 8, nwa155 | 10.8 | 12 |
| 352 | Interfacial internal electric field and oxygen vacancies synergistically enhance photocatalytic performance of bismuth oxychloride. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123470 | 12.8 | 31 |
| 351 | Photocatalytic activity enhancement of PDI supermolecular via π - π interaction and energy level adjusting with graphene quantum dots. <i>Applied Catalysis B: Environmental</i> , 2021 , 281, 119547 | 21.8 | 46 |
| 350 | Comparison of the interfacial reactions and properties between Ag/Ti ₃ AlC ₂ and Ag/Ti ₃ SiC ₂ electrical contact materials. <i>Journal of Alloys and Compounds</i> , 2021 , 857, 157588 | 5.7 | 4 |
| 349 | Controlled Synthesis of Higher Interfacial Electron Transfer Graphite-Like Carbon Nitride/Perylenetetracarboxylic Diimide Heterogeneous for Enhanced Photocatalytic Activity. <i>Solar Rrl</i> , 2021 , 5, 2000453 | 7.1 | 6 |
| 348 | Improving the photocatalytic activity of benzyl alcohol oxidation by Z-scheme SnS/g-C ₃ N ₄ . <i>New Journal of Chemistry</i> , 2021 , 45, 6611-6617 | 3.6 | 9 |
| 347 | Efficient Photocatalytic Overall Water Splitting Induced by the Giant Internal Electric Field of a g-C ₃ N ₄ /rGO/PDIP Z-Scheme Heterojunction. <i>Advanced Materials</i> , 2021 , 33, e2007479 | 24 | 107 |
| 346 | The construction of a wide-spectrum-responsive and high-activity photocatalyst, Bi ₂₅ CoO ₄₀ , via the creation of large external dipoles. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 3616-3627 | 13 | 5 |
| 345 | Encapsulate β MnO nanofiber within graphene layer to tune surface electronic structure for efficient ozone decomposition. <i>Nature Communications</i> , 2021 , 12, 4152 | 17.4 | 19 |
| 344 | A Full-Spectrum Porphyrin-Fullerene D-A Supramolecular Photocatalyst with Giant Built-In Electric Field for Efficient Hydrogen Production. <i>Advanced Materials</i> , 2021 , 33, e2101026 | 24 | 24 |
| 343 | An all-organic 0D/2D supramolecular porphyrin/g-C ₃ N ₄ heterojunction assembled via π - π interaction for efficient visible photocatalytic oxidation. <i>Applied Catalysis B: Environmental</i> , 2021 , 291, 120059 | 21.8 | 28 |
| 342 | CeO ₂ supported Pd dimers boosting CO ₂ hydrogenation to ethanol. <i>Applied Catalysis B: Environmental</i> , 2021 , 291, 120122 | 21.8 | 21 |
| 341 | Visible-light responsive PDI/rGO composite film for the photothermal catalytic degradation of antibiotic wastewater and interfacial water evaporation. <i>Applied Catalysis B: Environmental</i> , 2021 , 291, 120127 | 21.8 | 47 |
| 340 | Create a strong internal electric-field on PDI photocatalysts for boosting phenols degradation via preferentially exposing π -conjugated planes up to 100%. <i>Applied Catalysis B: Environmental</i> , 2021 , 300, 120762 | 21.8 | 6 |
| 339 | Assessing the applicability of the MBE approach for constructing potential energy surfaces of nitrogen clusters. <i>Chemical Physics</i> , 2021 , 549, 111272 | 2.3 | 0 |
| 338 | High-efficiency degradation of quinclorac via peroxymonosulfate activated by N-doped CoFe ₂ O ₄ /Fe ₀ @CEDTA hybrid catalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 102, 177-185 | 6.3 | 2 |
| 337 | High efficiency reduction of CO ₂ to CO and CH ₄ via photothermal synergistic catalysis of lead-free perovskite Cs ₃ Sb ₂ I ₉ . <i>Applied Catalysis B: Environmental</i> , 2021 , 294, 120236 | 21.8 | 14 |

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| 336 | Bottom-up approach to quasi-monolayer black phosphorus advancing photocatalytic H ₂ evolution. <i>Chemical Engineering Journal</i> , 2021 , 421, 127841 | 14.7 | 7 |
| 335 | Ultrathin perylene imide nanosheet with fast charge transfer enhances photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2021 , 298, 120585 | 21.8 | 7 |
| 334 | Unravelling the electrocatalytic activity of bismuth nanosheets towards carbon dioxide reduction: Edge plane versus basal plane. <i>Applied Catalysis B: Environmental</i> , 2021 , 299, 120693 | 21.8 | 4 |
| 333 | Photocatalytic production of H ₂ O ₂ from water and dioxygen only under visible light using organic polymers: Systematic study of the effects of heteroatoms. <i>Applied Catalysis B: Environmental</i> , 2021 , 299, 120666 | 21.8 | 6 |
| 332 | Accurate guided alternating atomic layer enhance internal electric field to steering photogenerated charge separation for enhance photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2021 , 298, 120536 | 21.8 | 8 |
| 331 | Photocatalytic degradation of tetracycline antibiotics using three-dimensional network structure perylene diimide supramolecular organic photocatalyst under visible-light irradiation. <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 119122 | 21.8 | 137 |
| 330 | Efficient and stable photocatalytic degradation of tetracycline wastewater by 3D Polyaniline/Perylene diimide organic heterojunction under visible light irradiation. <i>Chemical Engineering Journal</i> , 2020 , 397, 125476 | 14.7 | 58 |
| 329 | Perylene diimide anchored graphene 3D structure via π - π interaction for enhanced photoelectrochemical degradation performances. <i>Applied Catalysis B: Environmental</i> , 2020 , 272, 118897 | 21.8 | 32 |
| 328 | A Highly Crystalline Perylene Imide Polymer with the Robust Built-In Electric Field for Efficient Photocatalytic Water Oxidation. <i>Advanced Materials</i> , 2020 , 32, e1907746 | 24 | 60 |
| 327 | Photocatalytic activity enhanced via surface hybridization 2020 , 2, 308-349 | | 25 |
| 326 | Visible-Light-Promoted Efficient Aerobic Dehydrogenation of N-Heterocycles by a Tiny Organic Semiconductor Under Ambient Conditions. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 1956-1960 | 3.2 | 14 |
| 325 | Catalytic activity of porous carbon nitride regulated by polyoxometalates under visible light.. <i>RSC Advances</i> , 2020 , 10, 8255-8260 | 3.7 | 4 |
| 324 | Highly efficient visible photocatalytic disinfection and degradation performances of microtubular nanoporous g-C ₃ N ₄ via hierarchical construction and defects engineering. <i>Journal of Materials Science and Technology</i> , 2020 , 49, 133-143 | 9.1 | 36 |
| 323 | Enhanced visible photocatalytic oxidation activity of perylene diimide/g-C ₃ N ₄ n-n heterojunction via π - π interaction and interfacial charge separation. <i>Applied Catalysis B: Environmental</i> , 2020 , 271, 118933 | 21.8 | 82 |
| 322 | Thermodynamic and dynamic dual regulation Bi ₂ O ₂ CO ₃ /Bi ₅ O ₇ I enabling high-flux photogenerated charge migration for enhanced visible-light-driven photocatalysis. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10252-10259 | 13 | 24 |
| 321 | Photocatalysis-self-Fenton system with high-fluent degradation and high mineralization ability. <i>Applied Catalysis B: Environmental</i> , 2020 , 276, 119150 | 21.8 | 34 |
| 320 | Visible-light-promoted aerobic oxidative hydroxylation of arylboronic acids in water by hydrophilic organic semiconductor. <i>Tetrahedron Letters</i> , 2020 , 61, 152010 | 2 | 1 |
| 319 | CN/rGO@BPQDs high-low junctions with stretching spatial charge separation ability for photocatalytic degradation and H ₂ O ₂ production. <i>Applied Catalysis B: Environmental</i> , 2020 , 266, 118602 | 21.8 | 165 |

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| 318 | Enhanced visible-light photocatalytic degradation and disinfection performance of oxidized nanoporous g-C3N4 via decoration with graphene oxide quantum dots. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 474-484 | 11.3 | 19 |
| 317 | Synergistic introducing of oxygen vacancies and hybrid of organic semiconductor: Realizing deep structure modulation on Bi5O7I for high-efficiency photocatalytic pollutant oxidation. <i>Applied Catalysis B: Environmental</i> , 2020 , 265, 118562 | 21.8 | 59 |
| 316 | Large dipole moment induced efficient bismuth chromate photocatalysts for wide-spectrum driven water oxidation and complete mineralization of pollutants. <i>National Science Review</i> , 2020 , 7, 652-659 | 10.8 | 27 |
| 315 | In2O3/boron doped g-C3N4 heterojunction catalysts with remarkably enhanced visible-light photocatalytic efficiencies. <i>Applied Surface Science</i> , 2020 , 504, 144241 | 6.7 | 15 |
| 314 | K+-induced crystallization of polymeric carbon nitride to boost its photocatalytic activity for H2 evolution and hydrogenation of alkenes. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118457 | 21.8 | 36 |
| 313 | Photo-sensitization of BiOCl by CuInS2 Surface Layer for Photoelectrochemical Cathode. <i>Catalysis Letters</i> , 2020 , 150, 1337-1345 | 2.8 | 2 |
| 312 | CN/iodine-doped CN homojunction powder catalysts with excellent visible-light photocatalytic properties. <i>Powder Technology</i> , 2020 , 373, 488-496 | 5.2 | 4 |
| 311 | p-Type Cu2O as an effective interlayer between CdS and NiOx cocatalysts to promote photocatalytic hydrogen production. <i>New Journal of Chemistry</i> , 2020 , 44, 17719-17723 | 3.6 | 2 |
| 310 | Photochemical preparation of atomically dispersed nickel on cadmium sulfide for superior photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020 , 261, 118233 | 21.8 | 39 |
| 309 | Enhanced photoactivity and oxidizing ability simultaneously via internal electric field and valence band position by crystal structure of bismuth oxyiodide. <i>Applied Catalysis B: Environmental</i> , 2020 , 262, 118262 | 21.8 | 70 |
| 308 | Recent advances in 3D g-C3N4 composite photocatalysts for photocatalytic water splitting, degradation of pollutants and CO2 reduction. <i>Journal of Alloys and Compounds</i> , 2019 , 802, 196-209 | 5.7 | 151 |
| 307 | Three-dimensional network structure assembled by g-C3N4 nanorods for improving visible-light photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2019 , 255, 117761 | 21.8 | 95 |
| 306 | Enhancement of the degradation ability for organic pollutants via the synergistic effect of photoelectrocatalysis on a self-assembled perylene diimide (SA-PDI) thin film. <i>Science Bulletin</i> , 2019 , 64, 896-903 | 10.6 | 20 |
| 305 | Three-dimensional porous g-C3N4 for highly efficient photocatalytic overall water splitting. <i>Nano Energy</i> , 2019 , 59, 644-650 | 17.1 | 347 |
| 304 | Enhanced organic pollutant photodegradation via adsorption/photocatalysis synergy using a 3D g-C3N4/TiO2 free-separation photocatalyst. <i>Chemical Engineering Journal</i> , 2019 , 370, 287-294 | 14.7 | 166 |
| 303 | Fabrication of 3D ultra-light graphene aerogel/Bi2WO6 composite with excellent photocatalytic performance: A promising photocatalysts for water purification. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 97, 288-296 | 5.3 | 73 |
| 302 | Enhanced visible-light-induced photocatalytic degradation and disinfection activities of oxidized porous g-C3N4 by loading Ag nanoparticles. <i>Catalysis Today</i> , 2019 , 332, 227-235 | 5.3 | 57 |
| 301 | DyVO4/boron-doped g-C3N4 composite photocatalytic materials with enhanced visible-light purification properties. <i>Diamond and Related Materials</i> , 2019 , 97, 107462 | 3.5 | 1 |

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| 300 | TiO ₂ @Perylene Diimide Full-Spectrum Photocatalysts via Semi-Core-Shell Structure. <i>Small</i> , 2019 , 15, e1901333 | 23 |
| 299 | Highly Dispersed and Small-Sized Nickel(II) Hydroxide Co-Catalyst Prepared by Photodeposition for Hydrogen Production. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 4193-4200 | 4.5 7 |
| 298 | Carbon nitride nested tubes with graphene as a dual electron mediator in Z-scheme photocatalytic deoxynivalenol degradation. <i>Catalysis Science and Technology</i> , 2019 , 9, 1680-1690 | 5.5 21 |
| 297 | Designed synthesis of a p-Ag ₂ S/n-PDI self-assembled supramolecular heterojunction for enhanced full-spectrum photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6482-6490 | 13 67 |
| 296 | Internal electric field engineering for steering photogenerated charge separation and enhancing photoactivity. <i>EcoMat</i> , 2019 , 1, e12007 | 9.4 47 |
| 295 | Interaction between self-assembled perylene diimide and 3D graphene for excellent visible-light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2019 , 240, 225-233 | 21.8 84 |
| 294 | A Full-Spectrum Metal-Free Porphyrin Supramolecular Photocatalyst for Dual Functions of Highly Efficient Hydrogen and Oxygen Evolution. <i>Advanced Materials</i> , 2019 , 31, e1806626 | 24 115 |
| 293 | Construction of urchin-like ZnIn ₂ S ₄ -Au-TiO ₂ heterostructure with enhanced activity for photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2018 , 234, 260-267 | 21.8 124 |
| 292 | Fabrication of BiOI/graphene Hydrogel/FTO photoelectrode with 3D porous architecture for the enhanced photoelectrocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2018 , 233, 202-212 | 21.8 69 |
| 291 | Polyoxometalates covalently combined with graphitic carbon nitride for photocatalytic hydrogen peroxide production. <i>Catalysis Science and Technology</i> , 2018 , 8, 1686-1695 | 5.5 46 |
| 290 | Enhanced visible-light photocatalysis via back-electron transfer from palladium quantum dots to perylene diimide. <i>Applied Catalysis B: Environmental</i> , 2018 , 230, 49-57 | 21.8 26 |
| 289 | Self-assembled polymer phenylethynylcopper nanowires for photoelectrochemical and photocatalytic performance under visible light. <i>Applied Catalysis B: Environmental</i> , 2018 , 226, 616-623 | 21.8 34 |
| 288 | Self-assembled perylene diimide based supramolecular heterojunction with Bi ₂ WO ₆ for efficient visible-light-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2018 , 232, 175-181 | 21.8 118 |
| 287 | Supramolecular packing dominant photocatalytic oxidation and anticancer performance of PDI. <i>Applied Catalysis B: Environmental</i> , 2018 , 231, 251-261 | 21.8 73 |
| 286 | Combination of photoelectrocatalysis and adsorption for removal of bisphenol A over TiO ₂ -graphene hydrogel with 3D network structure. <i>Applied Catalysis B: Environmental</i> , 2018 , 221, 36-46 | 21.8 224 |
| 285 | Enhanced photocatalytic activity of PTCDI-C60 via interaction. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 302-308 | 21.8 21 |
| 284 | Visible-light photocatalysis of PDI nanowires enhanced by plasmonic effect of the gold nanoparticles. <i>Applied Catalysis B: Environmental</i> , 2018 , 239, 61-67 | 21.8 62 |
| 283 | Two-dimensional polymeric carbon nitride: structural engineering for optimizing photocatalysis. <i>Science China Chemistry</i> , 2018 , 61, 1205-1213 | 7.9 36 |

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| 282 | Constructing a novel Bi ₂ SiO ₅ /BiPO ₄ heterostructure with extended light response range and enhanced photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2018 , 236, 205-211 | 21.8 | 78 |
| 281 | Ultrathin nanosheets g-C ₃ N ₄ @Bi ₂ WO ₆ core-shell structure via low temperature reassembled strategy to promote photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2018 , 237, 633-640 | 21.8 | 104 |
| 280 | Efficient visible-light-driven selective oxygen reduction to hydrogen peroxide by oxygen-enriched graphitic carbon nitride polymers. <i>Energy and Environmental Science</i> , 2018 , 11, 2581-2589 | 35.4 | 226 |
| 279 | Water soluble graphitic carbon nitride with tunable fluorescence for boosting broad-response photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2018 , 225, 519-529 | 21.8 | 41 |
| 278 | Photocatalytic activity enhancement of core-shell structure g-C ₃ N ₄ @TiO ₂ via controlled ultrathin g-C ₃ N ₄ layer. <i>Applied Catalysis B: Environmental</i> , 2018 , 220, 337-347 | 21.8 | 254 |
| 277 | Direct storage of holes in ultrathin Ni(OH) ₂ on Fe ₂ O ₃ photoelectrodes for integrated solar charging battery-type supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21360-21367 | 13 | 27 |
| 276 | Conjugated Polymers with Sequential Fluorination for Enhanced Photocatalytic H ₂ Evolution via Proton-Coupled Electron Transfer. <i>ACS Energy Letters</i> , 2018 , 3, 2544-2549 | 20.1 | 71 |
| 275 | A honeycomb multilevel structure Bi ₂ O ₃ with highly efficient catalytic activity driven by bias voltage and oxygen defect. <i>Applied Catalysis B: Environmental</i> , 2018 , 237, 442-448 | 21.8 | 67 |
| 274 | Oxygen-doped carbon nitride aerogel: A self-supported photocatalyst for solar-to-chemical energy conversion. <i>Applied Catalysis B: Environmental</i> , 2018 , 236, 428-435 | 21.8 | 73 |
| 273 | A high-performance Bi ₂ O ₃ /Bi ₂ SiO ₅ p-n heterojunction photocatalyst induced by phase transition of Bi ₂ O ₃ . <i>Applied Catalysis B: Environmental</i> , 2018 , 237, 59-67 | 21.8 | 160 |
| 272 | An anion exchange strategy for construction of a novel Bi ₂ SiO ₅ /Bi ₂ MoO ₆ heterostructure with enhanced photocatalytic performance. <i>Catalysis Science and Technology</i> , 2018 , 8, 3278-3285 | 5.5 | 19 |
| 271 | Tuning the K Concentration in the Tunnels of γ -MnO To Increase the Content of Oxygen Vacancy for Ozone Elimination. <i>Environmental Science & Technology</i> , 2018 , 52, 8684-8692 | 10.3 | 88 |
| 270 | Enhancement of full-spectrum photocatalytic activity over BiPO ₄ /Bi ₂ WO ₆ composites. <i>Applied Catalysis B: Environmental</i> , 2017 , 200, 222-229 | 21.8 | 196 |
| 269 | Three-dimensional photocatalysts with a network structure. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5661-5679 | 13 | 70 |
| 268 | Separation-free TiO ₂ -graphene hydrogel with 3D network structure for efficient photoelectrocatalytic mineralization. <i>Applied Catalysis B: Environmental</i> , 2017 , 211, 106-113 | 21.8 | 41 |
| 267 | Removal of bisphenol A over a separation free 3D Ag ₃ PO ₄ -graphene hydrogel via an adsorption-photocatalysis synergy. <i>Applied Catalysis B: Environmental</i> , 2017 , 212, 41-49 | 21.8 | 149 |
| 266 | Core-shell g-C ₃ N ₄ @ZnO composites as photoanodes with double synergistic effects for enhanced visible-light photoelectrocatalytic activities. <i>Applied Catalysis B: Environmental</i> , 2017 , 217, 169-180 | 21.8 | 145 |
| 265 | Ultrathin TiO(B) Nanosheets as the Inductive Agent for Transferring HO into Superoxide Radicals. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15533-15540 | 9.5 | 37 |

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| 264 | Covalent combination of polyoxometalate and graphitic carbon nitride for light-driven hydrogen peroxide production. <i>Nano Energy</i> , 2017 , 35, 405-414 | 17.1 | 108 |
| 263 | Peroxymonosulfate enhanced visible light photocatalytic degradation bisphenol A by single-atom dispersed Ag mesoporous g-C3N4 hybrid. <i>Applied Catalysis B: Environmental</i> , 2017 , 211, 79-88 | 21.8 | 328 |
| 262 | Surface oxygen vacancy induced MnO2 nanofiber for highly efficient ozone elimination. <i>Applied Catalysis B: Environmental</i> , 2017 , 209, 729-737 | 21.8 | 248 |
| 261 | Short-Range π -Stacking Assembly on P25 TiO2 Nanoparticles for Enhanced Visible-Light Photocatalysis. <i>ACS Catalysis</i> , 2017 , 7, 652-663 | 13.1 | 80 |
| 260 | 3D-3D porous Bi2WO6/graphene hydrogel composite with excellent synergistic effect of adsorption-enrichment and photocatalytic degradation. <i>Applied Catalysis B: Environmental</i> , 2017 , 205, 228-237 | 21.8 | 214 |
| 259 | Enhanced Visible-Light-Driven Photocatalytic Disinfection Performance and Organic Pollutant Degradation Activity of Porous g-CN Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27727-27735 ²⁴² | 9.5 | 242 |
| 258 | Deactivating harmful marine microorganisms through photoelectrocatalysis by GO/ZnWO4 electrodes. <i>Chemical Engineering Journal</i> , 2017 , 330, 635-643 | 14.7 | 21 |
| 257 | Interface-Engineered Ni(OH)2/BiFeOOH Electrocatalysts for Highly Efficient and Stable Oxygen Evolution Reaction. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2720-2726 | 4.5 | 22 |
| 256 | Probing π -Stacking modulation of g-CN/graphene heterojunctions and corresponding role of graphene on photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2017 , 508, 274-281 | 9.3 | 48 |
| 255 | Well-designed 3D ZnIn2S4 nanosheets/TiO2 nanobelts as direct Z-scheme photocatalysts for CO2 photoreduction into renewable hydrocarbon fuel with high efficiency. <i>Applied Catalysis B: Environmental</i> , 2017 , 219, 611-618 | 21.8 | 266 |
| 254 | One-pot synthesis of C/Bi/Bi2O3 composite with enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2017 , 219, 63-72 | 21.8 | 116 |
| 253 | Removal of chromium (VI) by a self-regenerating and metal free g-C3N4/graphene hydrogel system via the synergy of adsorption and photo-catalysis under visible light. <i>Applied Catalysis B: Environmental</i> , 2017 , 219, 53-62 | 21.8 | 163 |
| 252 | Synergetic activation of peroxymonosulfate by Co3O4 modified g-C3N4 for enhanced degradation of diclofenac sodium under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2017 , 218, 810-818 | 21.8 | 191 |
| 251 | Photocatalytic degradation of deoxynivalenol using graphene/ZnO hybrids in aqueous suspension. <i>Applied Catalysis B: Environmental</i> , 2017 , 204, 11-20 | 21.8 | 132 |
| 250 | TiO2/Al(H2PO4)3 composite film as separation-free and washing-resistance photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2017 , 204, 43-48 | 21.8 | 18 |
| 249 | Photoelectrocatalytic degradation of phenol-containing wastewater by TiO2/g-C3N4 hybrid heterostructure thin film. <i>Applied Catalysis B: Environmental</i> , 2017 , 201, 600-606 | 21.8 | 218 |
| 248 | Supramolecular organic nanofibers with highly efficient and stable visible light photooxidation performance. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 289-297 | 21.8 | 124 |
| 247 | Enhancement of mineralization ability for phenol via synergetic effect of photoelectrocatalysis of g-C3N4 film. <i>Applied Catalysis B: Environmental</i> , 2016 , 180, 324-329 | 21.8 | 134 |

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| 246 | Fabrication of Wide-Range-Visible Photocatalyst Bi ₂ WO _{6-x} nanoplates via Surface Oxygen Vacancies. <i>Scientific Reports</i> , 2016 , 6, 19347 | 4.9 | 140 |
| 245 | Highly Efficient Organic Photocatalyst with Full Visible Light Spectrum through Stacking of TCNQ-PTCDI. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30225-30231 | 9.5 | 46 |
| 244 | Enhancement of catalytic activity and oxidative ability for graphitic carbon nitride. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2016 , 28, 87-115 | 16.4 | 155 |
| 243 | Removal of Cr(VI) by 3D TiO ₂ -graphene hydrogel via adsorption enriched with photocatalytic reduction. <i>Applied Catalysis B: Environmental</i> , 2016 , 199, 412-423 | 21.8 | 282 |
| 242 | Photocatalytic performance of BiPO ₄ nanorods adjusted via defects. <i>Applied Catalysis B: Environmental</i> , 2016 , 187, 204-211 | 21.8 | 117 |
| 241 | Photodegradation of phenol via C ₃ N ₄ -agar hybrid hydrogel 3D photocatalysts with free separation. <i>Applied Catalysis B: Environmental</i> , 2016 , 183, 263-268 | 21.8 | 149 |
| 240 | Influence of phase structure and morphology on the photocatalytic activity of bismuth molybdates. <i>CrystEngComm</i> , 2016 , 18, 1976-1986 | 3.3 | 61 |
| 239 | Understanding the contribution of hydroxyl to the energy band of a semiconductor: Bi ₂ O(OH)SO ₄ vs. Bi ₆ S ₂ O ₁₅ . <i>Dalton Transactions</i> , 2016 , 45, 6866-77 | 4.3 | 11 |
| 238 | Morphology-dependent photoelectrochemical properties of multi-scale layered Bi(C ₂ O ₄)OH. <i>RSC Advances</i> , 2016 , 6, 23537-23549 | 3.7 | 7 |
| 237 | The formation of heterointerface defects in Au/Cu films on Si substrates under direct current in a vacuum ultraviolet environment. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 4019-25 | 3.6 | |
| 236 | Separation-Free Polyaniline/TiO ₂ 3D Hydrogel with High Photocatalytic Activity. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500502 | 4.6 | 55 |
| 235 | Charge storage performances of micro-supercapacitor predominated by two-dimensional (2D) crystal structure. <i>Nano Energy</i> , 2016 , 27, 58-67 | 17.1 | 33 |
| 234 | Self-Assembled PDINH Supramolecular System for Photocatalysis under Visible Light. <i>Advanced Materials</i> , 2016 , 28, 7284-90 | 24 | 219 |
| 233 | In situ hydrothermal fabrication of a MnO ₂ @CoMoO ₄ @Ni nanohybrid electrode and ultrahigh energy density of ASCs. <i>RSC Advances</i> , 2016 , 6, 46508-46515 | 3.7 | 7 |
| 232 | Synthesis and Performance Enhancement for Bi ₂ WO ₆ as High-Activity Visible-Light-Driven Photocatalysts. <i>Nanostructure Science and Technology</i> , 2016 , 359-389 | 0.9 | 1 |
| 231 | Separation free C ₃ N ₄ /SiO ₂ hybrid hydrogels as high active photocatalysts for TOC removal. <i>Applied Catalysis B: Environmental</i> , 2016 , 194, 105-110 | 21.8 | 68 |
| 230 | Oxygen vacancy induced structure change and interface reaction in HfO ₂ films on native SiO ₂ /Si substrate. <i>Applied Surface Science</i> , 2016 , 390, 260-265 | 6.7 | 14 |
| 229 | Polyaniline/Carbon Nitride Nanosheets Composite Hydrogel: A Separation-Free and High-Efficient Photocatalyst with 3D Hierarchical Structure. <i>Small</i> , 2016 , 12, 4370-8 | 11 | 170 |

| | | | |
|-----|---|------|-----|
| 228 | A newly discovered BiF ₃ photocatalyst with a high positive valence band. <i>Journal of Molecular Catalysis A</i> , 2015 , 401, 35-40 | | 31 |
| 227 | Enhanced visible light photocatalytic performance of a novel heterostructured Bi ₄ O ₅ Br ₂ /Bi ₂₄ O ₃₁ Br ₁₀ /Bi ₂ SiO ₅ photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2015 , 172-173, 100-107 | 21.8 | 74 |
| 226 | Controlled synthesis of a highly dispersed BiPO ₄ photocatalyst with surface oxygen vacancies. <i>Nanoscale</i> , 2015 , 7, 13943-50 | 7.7 | 95 |
| 225 | Photocatalytic activity enhancement of LaPO ₄ via surface oxygen vacancies. <i>RSC Advances</i> , 2015 , 5, 56711-56716 | 3.7 | 16 |
| 224 | Photocatalytic hydrogen generation on bifunctional ternary heterostructured In ₂ S ₃ /MoS ₂ /CdS composites with high activity and stability under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 18406-18412 | 13 | 118 |
| 223 | Photocatalytic performance enhanced via surface bismuth vacancy of Bi ₆ S ₂ O ₁₅ core/shell nanowires. <i>Applied Catalysis B: Environmental</i> , 2015 , 176-177, 306-314 | 21.8 | 67 |
| 222 | A review of BiPO ₄ , a highly efficient oxyacid-type photocatalyst, used for environmental applications. <i>Catalysis Science and Technology</i> , 2015 , 5, 3071-3083 | 5.5 | 111 |
| 221 | New insights into the relationship between photocatalytic activity and TiO ₂ /ZnO composites. <i>RSC Advances</i> , 2015 , 5, 29201-29208 | 3.7 | 20 |
| 220 | Graphene oxide bound silica for solid-phase extraction of 14 polycyclic aromatic hydrocarbons in mainstream cigarette smoke. <i>Journal of Chromatography A</i> , 2015 , 1375, 1-7 | 4.5 | 45 |
| 219 | Photocatalytic enhancement of hybrid C ₃ N ₄ /TiO ₂ prepared via ball milling method. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 3647-52 | 3.6 | 119 |
| 218 | Visible light photoactivity enhancement via CuTCPP hybridized g-C ₃ N ₄ nanocomposite. <i>Applied Catalysis B: Environmental</i> , 2015 , 166-167, 366-373 | 21.8 | 155 |
| 217 | Photocatalytic H ₂ evolution on MoS ₂ -TiO ₂ catalysts synthesized via mechanochemistry. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 933-40 | 3.6 | 131 |
| 216 | Enhanced catalytic activity of potassium-doped graphitic carbon nitride induced by lower valence position. <i>Applied Catalysis B: Environmental</i> , 2015 , 164, 77-81 | 21.8 | 261 |
| 215 | Enhancement of visible light mineralization ability and photocatalytic activity of BiPO ₄ /BiOI. <i>Applied Catalysis B: Environmental</i> , 2015 , 163, 547-553 | 21.8 | 167 |
| 214 | Electrochemical properties of novel titania nanostructures. <i>Nanotechnology</i> , 2015 , 26, 225603 | 3.4 | 4 |
| 213 | Electron migration behavior of Au/Cu multilayer films on Si substrates under UV radiation. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 5057-62 | 3.6 | 6 |
| 212 | Enhancement of photocatalytic performance via a P3HT-g-C ₃ N ₄ heterojunction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2741-2747 | 13 | 100 |
| 211 | Kinetically controlled seed-mediated growth of narrow dispersed silver nanoparticles up to 120 nm: secondary nucleation, size focusing, and Ostwald ripening. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 4236-41 | 3.6 | 38 |

| | | | |
|-----|---|------|-----|
| 210 | Surface oxygen vacancy induced photocatalytic performance enhancement of a BiPO ₄ nanorod. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1174-1182 | 13 | 228 |
| 209 | Enhancement of visible photocatalytic activity via Ag@C ₃ N ₄ core-shell plasmonic composite. <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 82-91 | 21.8 | 399 |
| 208 | Significantly enhancement of photocatalytic performances via core-shell structure of ZnO/mpg-C ₃ N ₄ . <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 554-561 | 21.8 | 188 |
| 207 | A superior photocatalytic performance of a novel Bi ₂ SiO ₅ flower-like microsphere via a phase junction. <i>Nanoscale</i> , 2014 , 6, 15222-7 | 7.7 | 36 |
| 206 | Enhancement of mineralization ability of C ₃ N ₄ via a lower valence position by a tetracyanoquinodimethane organic semiconductor. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11432-11438 | 13 | 56 |
| 205 | Preparation of visible light-driven g-C ₃ N ₄ @ZnO hybrid photocatalyst via mechanochemistry. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 17627-33 | 3.6 | 99 |
| 204 | Ultrasensitive and reproducible surface-enhanced Raman scattering detection via an optimized adsorption process and filter-based substrate. <i>Analytical Methods</i> , 2014 , 6, 4130 | 3.2 | 5 |
| 203 | Enhancement of photocatalytic activity for BiPO ₄ via phase junction. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13041-13048 | 13 | 104 |
| 202 | Highly efficient photodegradation of RhB/MO mixture dye wastewater by Ag ₃ PO ₄ dodecahedrons under acidic condition. <i>Journal of Molecular Catalysis A</i> , 2014 , 393, 302-308 | | 53 |
| 201 | Synthesis of CdWO ₄ nanorods and investigation of the photocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 212-8 | 3.6 | 37 |
| 200 | Synthesis and characterization of the ZnO/mpg-C ₃ N ₄ heterojunction photocatalyst with enhanced visible light photoactivity. <i>Dalton Transactions</i> , 2014 , 43, 13105-14 | 4.3 | 100 |
| 199 | A simple and efficient strategy for the synthesis of a chemically tailored g-C ₃ N ₄ material. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17521-17529 | 13 | 96 |
| 198 | Influence of Defects on the Photocatalytic Activity of ZnO. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 15300-15307 | 3.8 | 295 |
| 197 | Electrochemical performance of lithium ion capacitors with different types of negative electrodes. <i>Russian Journal of Electrochemistry</i> , 2014 , 50, 594-598 | 1.2 | 9 |
| 196 | Electrochemical performance of pre-lithiated graphite as negative electrode in lithium-ion capacitors. <i>Russian Journal of Electrochemistry</i> , 2014 , 50, 1050-1057 | 1.2 | 18 |
| 195 | Fluorine mediated photocatalytic activity of BiPO ₄ . <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 851-857 | 1.8 | 100 |
| 194 | Defect-related photoluminescence and photocatalytic properties of porous ZnO nanosheets. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15377 | 13 | 234 |
| 193 | Density functional theory study on electronic and photocatalytic properties of orthorhombic AgInS ₂ . <i>Computational Materials Science</i> , 2014 , 91, 159-164 | 3.2 | 42 |

| | | | |
|-----|--|------|-----|
| 192 | NOVEL HIERARCHICAL NANORODS OF SILICON-DOPED Bi ₂ O ₂ CO ₃ AND ITS PHOTOCATALYTIC ACTIVITY. <i>Nano</i> , 2014 , 09, 1450094 | 1.1 | 6 |
| 191 | Enhancement of visible photocatalytic performances of a Bi ₂ MoO ₆ -BiOCl nanocomposite with plate-on-plate heterojunction structure. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 26314-21 | 3.6 | 132 |
| 190 | Enhancement of visible light photocatalytic activities via porous structure of g-C ₃ N ₄ . <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 229-235 | 21.8 | 239 |
| 189 | Dramatic visible activity in phenol degradation of TCNQ@TiO ₂ photocatalyst with core-shell structure. <i>Applied Catalysis B: Environmental</i> , 2014 , 160-161, 44-50 | 21.8 | 46 |
| 188 | Controlled synthesis of 1D ZnO nanostructures via hydrothermal process. <i>Materials Research Bulletin</i> , 2014 , 49, 665-671 | 5.1 | 15 |
| 187 | Enhanced oxidation ability of g-C ₃ N ₄ photocatalyst via C ₆₀ modification. <i>Applied Catalysis B: Environmental</i> , 2014 , 152-153, 262-270 | 21.8 | 325 |
| 186 | Nanoporous graphitic carbon nitride with enhanced photocatalytic performance. <i>Langmuir</i> , 2013 , 29, 10566-72 | 4 | 247 |
| 185 | The surface oxygen vacancy induced visible activity and enhanced UV activity of a ZnO photocatalyst. <i>Catalysis Science and Technology</i> , 2013 , 3, 3136 | 5.5 | 130 |
| 184 | Enhanced Photocatalytic Performance for the BiPO ₄ Nanorod Induced by Surface Oxygen Vacancy. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 18520-18528 | 3.8 | 196 |
| 183 | Correlation Effects on Lattice Relaxation and Electronic Structure of ZnO within the GGA+U Formalism. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 26029-26039 | 3.8 | 113 |
| 182 | Chemical exfoliation of graphitic carbon nitride for efficient heterogeneous photocatalysis. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14766 | 13 | 853 |
| 181 | Performance enhancement of ZnO photocatalyst via synergic effect of surface oxygen defect and graphene hybridization. <i>Langmuir</i> , 2013 , 29, 3097-105 | 4 | 397 |
| 180 | Enhancement of visible light photocatalytic performances of Bi ₂ MoS ₂ O ₄ nanoplates. <i>Catalysis Science and Technology</i> , 2013 , 3, 1757 | 5.5 | 13 |
| 179 | Production of visible activity and UV performance enhancement of ZnO photocatalyst via vacuum deoxidation. <i>Applied Catalysis B: Environmental</i> , 2013 , 138-139, 26-32 | 21.8 | 160 |
| 178 | Degradation and mineralization mechanism of phenol by BiPO ₄ photocatalysis assisted with H ₂ O ₂ . <i>Applied Catalysis B: Environmental</i> , 2013 , 142-143, 561-567 | 21.8 | 108 |
| 177 | Photocatalytic Activity Enhanced via g-C ₃ N ₄ Nanoplates to Nanorods. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 9952-9961 | 3.8 | 524 |
| 176 | Correlation of crystal structures and electronic structures with visible light photocatalytic properties of NaBiO ₃ . <i>Chemical Physics Letters</i> , 2013 , 572, 101-105 | 2.5 | 34 |
| 175 | Investigations on the Phase Transition between CdV ₂ O ₆ and Cd ₂ V ₂ O ₇ and Their Photocatalytic Performances. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 3070-3075 | 2.3 | 14 |

| | | | |
|-----|---|------|-----|
| 174 | Enhanced cyclability of CdS/TiO ₂ photocatalyst by stable interface structure. <i>Superlattices and Microstructures</i> , 2012 , 51, 799-808 | 2.8 | 28 |
| 173 | Visible Photocatalytic Activity Enhancement of ZnWO ₄ by Graphene Hybridization. <i>ACS Catalysis</i> , 2012 , 2, 2769-2778 | 13.1 | 236 |
| 172 | A review of controllable synthesis and enhancement of performances of bismuth tungstate visible-light-driven photocatalysts. <i>Catalysis Science and Technology</i> , 2012 , 2, 694 | 5.5 | 260 |
| 171 | Significant photocatalytic enhancement in methylene blue degradation of Bi ₂ WO ₆ photocatalysts via graphene hybridization. <i>Journal of Advanced Ceramics</i> , 2012 , 1, 72-78 | 10.7 | 26 |
| 170 | Synthesis and photoactivity enhancement of ZnWO ₄ photocatalysts doped with chlorine. <i>CrystEngComm</i> , 2012 , 14, 8076 | 3.3 | 39 |
| 169 | High photocatalytic activity of oxychloride CaBiO ₂ Cl under visible light irradiation. <i>CrystEngComm</i> , 2012 , 14, 6257 | 3.3 | 18 |
| 168 | Electronic structures and effective masses of photogenerated carriers of CaZrTi ₂ O ₇ photocatalyst: First-principles calculations. <i>Solid State Communications</i> , 2012 , 152, 1650-1654 | 1.6 | 10 |
| 167 | Photocatalytic and photoelectrochemical properties of in situ carbon hybridized BiPO ₄ films. <i>Applied Catalysis A: General</i> , 2012 , 435-436, 93-98 | 5.1 | 37 |
| 166 | Enhancement of photocatalytic activity of Bi ₂ WO ₆ hybridized with graphite-like C ₃ N ₄ . <i>Journal of Materials Chemistry</i> , 2012 , 22, 11568 | | 318 |
| 165 | A Strategy of Enhancing the Photoactivity of g-C ₃ N ₄ via Doping of Nonmetal Elements: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 23485-23493 | 3.8 | 471 |
| 164 | Synthesis of CdMoO ₄ microspheres by self-assembly and photocatalytic performances. <i>CrystEngComm</i> , 2012 , 14, 1128-1134 | 3.3 | 40 |
| 163 | Decontamination of bisphenol A from aqueous solution by graphene adsorption. <i>Langmuir</i> , 2012 , 28, 8418-25 | 4 | 635 |
| 162 | Dramatic Activity of C ₃ N ₄ /BiPO ₄ Photocatalyst with Core/Shell Structure Formed by Self-Assembly. <i>Advanced Functional Materials</i> , 2012 , 22, 1518-1524 | 15.6 | 743 |
| 161 | Influence of OH-related defects on the performances of BiPO ₄ photocatalyst for the degradation of rhodamine B. <i>Applied Catalysis B: Environmental</i> , 2012 , 115-116, 314-319 | 21.8 | 102 |
| 160 | Template-free synthesis of polymer-derived mesoporous SiOC/TiO ₂ and SiOC/N-doped TiO ₂ ceramic composites for application in the removal of organic dyes from contaminated water. <i>Applied Catalysis B: Environmental</i> , 2012 , 115-116, 303-313 | 21.8 | 56 |
| 159 | Influence of ZnWO ₄ nanorod aspect ratio on the photocatalytic activity. <i>CrystEngComm</i> , 2011 , 13, 4695 | 3.3 | 48 |
| 158 | Enhancement of photocurrent and photocatalytic activity of ZnO hybridized with graphite-like C ₃ N ₄ . <i>Energy and Environmental Science</i> , 2011 , 4, 2922 | 35.4 | 908 |
| 157 | Origin of Photocatalytic Activation of Silver Orthophosphate from First-Principles. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 4680-4687 | 3.8 | 223 |

| | | | |
|-----|---|------|-----|
| 156 | Effect of Compensated Codoping on the Photoelectrochemical Properties of Anatase TiO ₂ Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 16963-16969 | 3.8 | 127 |
| 155 | Effects of distortion of PO ₄ tetrahedron on the photocatalytic performances of BiPO ₄ . <i>Catalysis Science and Technology</i> , 2011 , 1, 1399 | 5.5 | 127 |
| 154 | Size-controlled synthesis of BiPO ₄ nanocrystals for enhanced photocatalytic performance. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4235 | | 150 |
| 153 | Photocatalytic activity and photoelectric performance enhancement for ZnWO ₄ by fluorine substitution. <i>Journal of Molecular Catalysis A</i> , 2011 , 348, 100-105 | | 49 |
| 152 | Enhanced photoelectric catalytic degradation of methylene blue via TiO ₂ nanotube arrays hybridized with graphite-like carbon. <i>Journal of Molecular Catalysis A</i> , 2011 , 349, 13-19 | | 31 |
| 151 | High combustion activity of CH ₄ and cataluminescence properties of CO oxidation over porous Co ₃ O ₄ nanorods. <i>Applied Catalysis B: Environmental</i> , 2011 , 110, 133-140 | 21.8 | 62 |
| 150 | Zn ₃ V ₂ O ₇ (OH) ₂ (H ₂ O) ₂ and Zn ₃ V ₂ O ₈ nanostructures: controlled fabrication and photocatalytic performance. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6313 | | 56 |
| 149 | Effects of Mo Replacement on the Structure and Visible-Light-Induced Photocatalytic Performances of Bi ₂ WO ₆ Photocatalyst. <i>ACS Catalysis</i> , 2011 , 1, 841-848 | 13.1 | 170 |
| 148 | Controllable synthesis of Fe ₅ (PO ₄) ₄ (OH) ₃ ·2H ₂ O as a highly efficient heterogeneous Fenton-like catalyst. <i>CrystEngComm</i> , 2011 , 13, 6688 | 3.3 | 25 |
| 147 | Significantly enhanced photocatalytic performance of ZnO via graphene hybridization and the mechanism study. <i>Applied Catalysis B: Environmental</i> , 2011 , 101, 382-387 | 21.8 | 950 |
| 146 | Significant enhancement of the visible photocatalytic degradation performances of Bi ₂ MoO ₆ nanoplate by graphene hybridization. <i>Journal of Molecular Catalysis A</i> , 2011 , 340, 77-82 | | 103 |
| 145 | Enhancement of photoelectric catalytic activity of TiO ₂ film via Polyaniline hybridization. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 1433-1438 | 3.3 | 46 |
| 144 | Visible-Light Photocatalytic Degradation of BiTaO ₄ Photocatalyst and Mechanism of Photocorrosion Suppression. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 6472-6477 | 3.8 | 106 |
| 143 | Significant Visible Photoactivity and Antiphotocorrosion Performance of CdS Photocatalysts after Monolayer Polyaniline Hybridization. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 5822-5826 | 3.8 | 234 |
| 142 | New type of BiPO ₄ oxy-acid salt photocatalyst with high photocatalytic activity on degradation of dye. <i>Environmental Science & Technology</i> , 2010 , 44, 5570-4 | 10.3 | 487 |
| 141 | The high activity and stability of La _{0.5} Ba _{0.5} MnO ₃ nanocubes in the oxidation of CO and CH ₄ . <i>Applied Catalysis B: Environmental</i> , 2010 , 96, 267-275 | 21.8 | 38 |
| 140 | Surface hybridization effect of C ₆₀ molecules on TiO ₂ and enhancement of the photocatalytic activity. <i>Journal of Molecular Catalysis A</i> , 2010 , 331, 7-14 | | 58 |
| 139 | Controllable synthesis of Bi ₂ MoO ₆ and effect of morphology and variation in local structure on photocatalytic activities. <i>Applied Catalysis B: Environmental</i> , 2010 , 98, 138-146 | 21.8 | 362 |

| | | | |
|-----|---|-------|-----|
| 138 | Synthesis of ZnWO ₄ nanorods with [100] orientation and enhanced photocatalytic properties. <i>Applied Catalysis B: Environmental</i> , 2010 , 100, 173-178 | 21.8 | 97 |
| 137 | Significant photocatalytic enhancement in methylene blue degradation of TiO ₂ photocatalysts via graphene-like carbon in situ hybridization. <i>Applied Catalysis B: Environmental</i> , 2010 , 100, 179-183 | 21.8 | 244 |
| 136 | Electrochemical biosensing platforms using poly-cyclodextrin and carbon nanotube composite. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 295-8 | 11.8 | 42 |
| 135 | Synthesis and photoelectrochemical properties of thin bismuth molybdates film with various crystal phases. <i>Thin Solid Films</i> , 2009 , 517, 5813-5818 | 2.2 | 22 |
| 134 | Determination and risk assessment of by-products resulting from photocatalytic oxidation of toluene. <i>Applied Catalysis B: Environmental</i> , 2009 , 89, 570-576 | 21.8 | 170 |
| 133 | Photodegradation of dye pollutants catalyzed by Bi ₂ MoO ₆ nanoplate under visible light irradiation. <i>Applied Surface Science</i> , 2009 , 255, 8036-8040 | 6.7 | 64 |
| 132 | Photoelectric catalytic degradation of methylene blue by C ₆₀ -modified TiO ₂ nanotube array. <i>Applied Catalysis B: Environmental</i> , 2009 , 89, 425-431 | 21.8 | 121 |
| 131 | Correlation Cataluminescence (CTL) Property with Reactivity of Hydrothermally Synthesized La _{0.8} Sr _{0.2} MnO ₃ Cubes and CTL as a Rapid Mode of Screening Catalyst. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3089-3095 | 3.8 | 14 |
| 130 | Micelle-assisted hydrothermal synthesis of the uniform Co ₃ O ₄ nanorods and its chemoluminescence properties of CO oxidation. <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 2375-2380 | 3.9 | 16 |
| 129 | Photocatalytic Activity Enhancement for Bi ₂ WO ₆ by Fluorine Substitution. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 19633-19638 | 3.8 | 169 |
| 128 | Photocorrosion Suppression of ZnO Nanoparticles via Hybridization with Graphite-like Carbon and Enhanced Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 2368-2374 | 3.8 | 290 |
| 127 | Photocorrosion Inhibition and Photoactivity Enhancement for Zinc Oxide via Hybridization with Monolayer Polyaniline. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 4605-4611 | 3.8 | 361 |
| 126 | Platinum nanowire array electrochemical sensor: fabrication and characterization. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 2437-41 | 1.3 | 7 |
| 125 | Visible-light-driven NaTaO ₃ -N _x catalyst prepared by a hydrothermal process. <i>Materials Research Bulletin</i> , 2008 , 43, 864-872 | 5.1 | 66 |
| 124 | The enhanced photoactivity of nanosized Bi ₂ WO ₆ catalyst for the degradation of 4-chlorophenol. <i>Materials Research Bulletin</i> , 2008 , 43, 2617-2625 | 5.1 | 22 |
| 123 | Formation of hollow NiO single crystals and Ag/NiO flowers. <i>Materials Research Bulletin</i> , 2008 , 43, 3562-3569 | 3.569 | 10 |
| 122 | Effect of Phase Structure of MnO ₂ Nanorod Catalyst on the Activity for CO Oxidation. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 5307-5315 | 3.8 | 479 |
| 121 | Photocatalytic degradation of RhB by fluorinated Bi ₂ WO ₆ and distributions of the intermediate products. <i>Environmental Science & Technology</i> , 2008 , 42, 2085-91 | 10.3 | 321 |

| | | | |
|-----|--|------|-----|
| 120 | Synthesis of hollow Mn ₃ O ₄ -in-Co ₃ O ₄ magnetic microspheres and its chemiluminescence and catalytic properties. <i>Catalysis Communications</i> , 2008 , 9, 1119-1124 | 3.2 | 27 |
| 119 | Effect of the morphology on thermal stability of the Ba-Ce-Mn-Al-O oxides synthesized in a reverse microemulsion. <i>Journal of Alloys and Compounds</i> , 2008 , 461, 516-520 | 5.7 | 3 |
| 118 | Facile synthesis of hollow Co ₃ O ₄ microspheres and its use as a rapid responsive CL sensor of combustible gases. <i>Talanta</i> , 2008 , 76, 1058-64 | 6.2 | 50 |
| 117 | Dramatic visible photocatalytic degradation performances due to synergetic effect of TiO ₂ with PANI. <i>Environmental Science & Technology</i> , 2008 , 42, 3803-7 | 10.3 | 455 |
| 116 | Effects of Ta ⁵⁺ Substitution on the Structure and Photocatalytic Behavior of the Ca ₂ Nb ₂ O ₇ Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 3126-3133 | 3.8 | 52 |
| 115 | Fluorination of ZnWO ₄ photocatalyst and influence on the degradation mechanism for 4-chlorophenol. <i>Environmental Science & Technology</i> , 2008 , 42, 8516-21 | 10.3 | 79 |
| 114 | A CL mode detector for rapid catalyst selection and environmental detection fabricated by perovskite nanoparticles. <i>Environmental Science & Technology</i> , 2008 , 42, 3886-92 | 10.3 | 13 |
| 113 | Synthesis of flower-like CuO nanostructures as a sensitive sensor for catalysis. <i>Sensors and Actuators B: Chemical</i> , 2008 , 134, 761-768 | 8.5 | 130 |
| 112 | Two-step synthesis of a novel visible-light-driven K ₂ Ta ₂ O ₆ /N _x catalyst for the pollutant decomposition. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 193, 33-41 | 4.7 | 28 |
| 111 | Enhancement of photocatalytic degradation of polyethylene plastic with CuPc modified TiO ₂ photocatalyst under solar light irradiation. <i>Applied Surface Science</i> , 2008 , 254, 1825-1829 | 6.7 | 76 |
| 110 | Porous nanoballs formed through an in situ generated framework template. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 312, 39-46 | 5.1 | |
| 109 | Effect of the flowing gases of steam and CO ₂ on the texture and catalytic activity for methane combustion of MgO powders. <i>Microporous and Mesoporous Materials</i> , 2008 , 111, 620-626 | 5.3 | 8 |
| 108 | Photocorrosion inhibition and enhancement of photocatalytic activity for ZnO via hybridization with C ₆₀ . <i>Environmental Science & Technology</i> , 2008 , 42, 8064-9 | 10.3 | 434 |
| 107 | Effect of Jahn-Teller Distortion in La _{0.5} Sr _{0.5} MnO ₃ Cubes and Nanoparticles on the Catalytic Oxidation of CO and CH ₄ . <i>Journal of Physical Chemistry C</i> , 2007 , 111, 16742-16749 | 3.8 | 40 |
| 106 | Syntheses of La _{1-x} Ba _x Mn ₂ Al ₁₀ O ₁₉ Catalysts (x= 0, 0.05) in a Novel Microemulsion of Water/2-Propanol/1-Butanol and Their High Activities in Methane Combustion. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 10941-10947 | 3.8 | 2 |
| 105 | Preparation and Photoelectrochemical Properties of Bi ₂ MoO ₆ Films. <i>Acta Physico-chimica Sinica</i> , 2007 , 23, 1671-1676 | | 22 |
| 104 | Carbon nanotubes-templated assembly of LaCoO ₃ nanowires at low temperatures and its excellent catalytic properties for CO oxidation. <i>Catalysis Communications</i> , 2007 , 8, 1748-1754 | 3.2 | 14 |
| 103 | Controlled synthesis of the ZnWO ₄ nanostructure and effects on the photocatalytic performance. <i>Inorganic Chemistry</i> , 2007 , 46, 8372-8 | 5.1 | 192 |

| | | | |
|-----|---|------|-----|
| 102 | Enhanced Photocatalytic Activity of ZnWO ₄ Catalyst via Fluorine Doping. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11952-11958 | 3.8 | 143 |
| 101 | Photoelectrochemical properties of thin Bi ₂ WO ₆ films. <i>Thin Solid Films</i> , 2007 , 515, 4753-4757 | 2.2 | 31 |
| 100 | Fabrication of porous TiO ₂ film via hydrothermal method and its photocatalytic performances. <i>Thin Solid Films</i> , 2007 , 515, 7127-7134 | 2.2 | 45 |
| 99 | Preparation of LaSrCuO ₄ nanowires by carbon nanotubes and their catalytic and chemiluminescence properties for CO oxidation. <i>Applied Catalysis A: General</i> , 2007 , 328, 156-162 | 5.1 | 8 |
| 98 | Solid-phase photocatalytic degradation of polyethylene plastic under UV and solar light irradiation. <i>Journal of Molecular Catalysis A</i> , 2007 , 268, 101-106 | | 134 |
| 97 | Catalytic behavior of hydrothermally synthesized La _{0.5} Sr _{0.5} MnO ₃ single-crystal cubes in the oxidation of CO and CH ₄ . <i>Journal of Catalysis</i> , 2007 , 250, 1-11 | 7.3 | 85 |
| 96 | Determination of four tobacco-specific nitrosamines in mainstream cigarette smoke by gas chromatography/ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 4086-92 | 2.2 | 24 |
| 95 | Photoelectrocatalytic degradation of 4-chlorophenol at Bi ₂ WO ₆ nanoflake film electrode under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2007 , 72, 92-97 | 21.8 | 111 |
| 94 | Synthesis, characterization and photocatalytic properties of nanosized Bi ₂ WO ₆ , PbWO ₄ and ZnWO ₄ catalysts. <i>Materials Research Bulletin</i> , 2007 , 42, 696-706 | 5.1 | 128 |
| 93 | Glucose biosensor based on nano-SiO ₂ and "unprotected" Pt nanoclusters. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 2989-93 | 11.8 | 43 |
| 92 | Synthesis and photocatalytic performance of ZnWO ₄ catalyst. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007 , 139, 201-208 | 3.1 | 120 |
| 91 | Crystal structure stability and catalytic activity of magnetoplumbite (MP) catalyst doped with Mn and Mg. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 4806-4812 | 3.9 | 9 |
| 90 | ZnWO ₄ photocatalyst with high activity for degradation of organic contaminants. <i>Journal of Alloys and Compounds</i> , 2007 , 432, 269-276 | 5.7 | 116 |
| 89 | Synergetic effect of Bi ₂ WO ₆ photocatalyst with C ₆₀ and enhanced photoactivity under visible irradiation. <i>Environmental Science & Technology</i> , 2007 , 41, 6234-9 | 10.3 | 306 |
| 88 | Photocatalytic activities of a novel ZnWO ₄ catalyst prepared by a hydrothermal process. <i>Applied Catalysis A: General</i> , 2006 , 306, 58-67 | 5.1 | 188 |
| 87 | Photocatalytic properties of nanosized Bi ₂ WO ₆ catalysts synthesized via a hydrothermal process. <i>Applied Catalysis B: Environmental</i> , 2006 , 66, 100-110 | 21.8 | 308 |
| 86 | Synthesis of hexagonal BaTa ₂ O ₆ nanorods and influence of defects on the photocatalytic activity. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 25825-32 | 3.4 | 62 |
| 85 | Synergetic degradation of rhodamine B at a porous ZnWO ₄ film electrode by combined electro-oxidation and photocatalysis. <i>Environmental Science & Technology</i> , 2006 , 40, 3367-72 | 10.3 | 206 |

| | | | |
|----|--|------|------|
| 84 | Electron spin resonance spin-trapping detection of radical intermediates in N-doped TiO ₂ -assisted photodegradation of 4-chlorophenol. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 3061-5 | 3.4 | 150 |
| 83 | Size dependence of SiO ₂ particles enhanced glucose biosensor. <i>Talanta</i> , 2006 , 68, 569-74 | 6.2 | 63 |
| 82 | Preparation and conducting performance of LaNiO ₃ /Ag film and its interface reaction. <i>Applied Surface Science</i> , 2006 , 252, 7461-7468 | 6.7 | 4 |
| 81 | Visible-light-driven photocatalyst of Bi ₂ WO ₆ nanoparticles prepared via amorphous complex precursor and photocatalytic properties. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 62-69 | 3.3 | 143 |
| 80 | Synthesis, characterization, and photocatalytic properties of InVO ₄ nanoparticles. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 804-811 | 3.3 | 77 |
| 79 | Formation and performances of porous InVO ₄ films. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 873-882 | 3.3 | 21 |
| 78 | Fabrication and photoelectrochemical properties of porous ZnWO ₄ film. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 2562-2570 | 3.3 | 90 |
| 77 | Effects of nanostructure on catalytic degradation of ethanol on SrCO ₃ catalysts. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 5118-23 | 3.4 | 26 |
| 76 | Synthesis of Square Bi ₂ WO ₆ Nanoplates as High-Activity Visible-Light-Driven Photocatalysts. <i>Chemistry of Materials</i> , 2005 , 17, 3537-3545 | 9.6 | 820 |
| 75 | Visible-light-induced degradation of rhodamine B by nanosized Bi ₂ WO ₆ . <i>Journal of Physical Chemistry B</i> , 2005 , 109, 22432-9 | 3.4 | 1095 |
| 74 | Preparation and conducting performance of LaNiO ₃ thin film on Si substrate. <i>Thin Solid Films</i> , 2005 , 471, 48-52 | 2.2 | 12 |
| 73 | A high performance glucose biosensor enhanced via nanosized SiO ₂ . <i>Analytica Chimica Acta</i> , 2005 , 554, 92-97 | 6.6 | 36 |
| 72 | Poisoning mechanism of perovskite LaCoO ₃ catalyst by organophosphorous gas. <i>Applied Catalysis B: Environmental</i> , 2005 , 58, 61-68 | 21.8 | 29 |
| 71 | Low temperature synthesis and characterization of molybdenum disulfide nanotubes and nanorods. <i>Materials Chemistry and Physics</i> , 2004 , 87, 87-90 | 4.4 | 98 |
| 70 | Mixed solvents: a key in solvothermal synthesis of KTaO ₃ . <i>Journal of Solid State Chemistry</i> , 2004 , 177, 2985-2990 | 3.3 | 42 |
| 69 | Synthesis of nanosized NaTaO ₃ in low temperature and its photocatalytic performance. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 3868-3872 | 3.3 | 82 |
| 68 | Recent developments in nanomaterial optical sensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2004 , 23, 351-360 | 14.6 | 144 |
| 67 | Structure and photocatalytic performances of glass/SnO ₂ /TiO ₂ interface composite film. <i>Applied Catalysis A: General</i> , 2004 , 257, 25-32 | 5.1 | 125 |

| | | | |
|----|---|------|-----|
| 66 | Destructive adsorption of carbon tetrachloride on nanometer titanium dioxide. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 985 | 3.6 | 16 |
| 65 | Application of Multiwalled Carbon Nanotubes as a Solid-Phase Extraction Sorbent for Chlorobenzenes. <i>Analytical Letters</i> , 2004 , 37, 3085-3104 | 2.2 | 92 |
| 64 | Preparation of nano-sized SrAl ₂ O ₄ using an amorphous hetero-nucleus complex as a precursor. <i>Journal of Alloys and Compounds</i> , 2004 , 370, 276-280 | 5.7 | 15 |
| 63 | Solvothermal Synthesis of Sodium and Potassium Tantalate Perovskite Nanocubes. <i>Chemistry Letters</i> , 2004 , 33, 900-901 | 1.7 | 35 |
| 62 | A New Reaction to ZnO Nanoparticles. <i>Chemistry Letters</i> , 2004 , 33, 770-771 | 1.7 | 62 |
| 61 | An Easy Method to Prepare Nanowire. <i>Chemistry Letters</i> , 2003 , 32, 594-595 | 1.7 | 10 |
| 60 | Hydrothermal Synthesis of Fine MoS ₂ Crystals from Na ₂ MoO ₄ and KSCN. <i>Chemistry Letters</i> , 2003 , 32, 768-769 | 1.7 | 17 |
| 59 | Large-scale Synthesis of Luminescent Y ₂ O ₃ :Eu Nanobelts. <i>Chemistry Letters</i> , 2003 , 32, 862-863 | 1.7 | 39 |
| 58 | Preparation of nanosized perovskite LaNiO ₃ powder via amorphous heteronuclear complex precursor. <i>Journal of Materials Science</i> , 2003 , 38, 1939-1943 | 4.3 | 11 |
| 57 | Hydrothermal preparation of mesoporous TiO ₂ powder from Ti(SO ₄) ₂ with poly(ethylene glycol) as template. <i>Journal of Materials Science</i> , 2003 , 38, 3973-3978 | 4.3 | 34 |
| 56 | A novel method for the synthesis of nano-sized BaAl ₂ O ₄ with thermal stability. <i>Journal of Crystal Growth</i> , 2003 , 255, 317-323 | 1.6 | 20 |
| 55 | Solid-phase photocatalytic degradation of polystyrene plastic with TiO ₂ as photocatalyst. <i>Journal of Solid State Chemistry</i> , 2003 , 174, 104-110 | 3.3 | 127 |
| 54 | Structure and photocatalytic characteristics of TiO ₂ film photocatalyst coated on stainless steel webnet. <i>Journal of Molecular Catalysis A</i> , 2003 , 202, 187-195 | | 110 |
| 53 | Study of interface diffusion and reaction between Zr ₃ N ₄ and stainless steel. <i>Surface and Interface Analysis</i> , 2003 , 35, 814-817 | 1.5 | 6 |
| 52 | Surface-modification of SiO ₂ nanoparticles with oleic acid. <i>Applied Surface Science</i> , 2003 , 211, 315-320 | 6.7 | 185 |
| 51 | Photocatalytic degradation of polystyrene plastic under fluorescent light. <i>Environmental Science & Technology</i> , 2003 , 37, 4494-9 | 10.3 | 120 |
| 50 | Determination of NH ₃ gas by combination of nanosized LaCoO ₃ converter with chemiluminescence detector. <i>Talanta</i> , 2003 , 61, 157-64 | 6.2 | 33 |
| 49 | Preparation of nanosized La _{1-x} Sr _x CoO ₃ via La _{1-x} Sr _x Co(DTPA) ₂ H ₂ O amorphous complex precursor. <i>Journal of Alloys and Compounds</i> , 2003 , 352, 134-139 | 5.7 | 9 |

| | | | |
|----|--|-----|-----|
| 48 | Comparative Studies on the Deactivation and Regeneration of TiO ₂ Nanoparticles in Three Photocatalytic Oxidation Systems: C ₇ H ₁₆ , SO ₂ , and C ₇ H ₁₆ SO ₂ . <i>Journal of Solid State Chemistry</i> , 2002 , 166, 395-399 | 3.3 | 39 |
| 47 | AES study on the interface diffusion and reaction between Cr layer and Si ₃ N ₄ /Si substrate. <i>Surface and Interface Analysis</i> , 2002 , 33, 496-499 | 1.5 | 2 |
| 46 | Nanosized SrCO ₃ -based chemiluminescence sensor for ethanol. <i>Analytica Chimica Acta</i> , 2002 , 466, 69-78.6 | 8.3 | 83 |
| 45 | Study on the Poisoning Mechanism of Sulfur Dioxide for Perovskite La _{0.9} Sr _{0.1} CoO ₃ Model Catalysts. <i>Catalysis Letters</i> , 2002 , 82, 199-204 | 2.8 | 17 |
| 44 | Development of a gas sensor utilizing chemiluminescence on nanosized titanium dioxide. <i>Analytical Chemistry</i> , 2002 , 74, 120-4 | 7.8 | 310 |
| 43 | Preparation of nanosized LaCo _x Mn _{1-x} O ₃ perovskite oxide using amorphous heteronuclear complex as a precursor. <i>Journal of Alloys and Compounds</i> , 2002 , 337, 282-288 | 5.7 | 12 |
| 42 | The interface diffusion and reaction between Cr layer and diamond particle during metallization. <i>Applied Surface Science</i> , 2001 , 171, 143-150 | 6.7 | 34 |
| 41 | Activation energies for the desorption of H ₂ , H and electron from saline hydrides heated in vacuum. <i>Thermochimica Acta</i> , 2001 , 371, 155-161 | 2.9 | 9 |
| 40 | Influence of PEG additive and precursor concentration on the preparation of LaCoO ₃ film with perovskite structure. <i>Thin Solid Films</i> , 2001 , 388, 160-164 | 2.2 | 10 |
| 39 | The reaction and poisoning mechanism of SO ₂ and perovskite LaCoO ₃ film model catalysts. <i>Applied Catalysis A: General</i> , 2001 , 209, 71-77 | 5.1 | 47 |
| 38 | Study on the interaction between Ag and tris(8-hydroxyquinoline) aluminum using x-ray photoelectron spectroscopy. <i>Surface and Interface Analysis</i> , 2001 , 32, 70-73 | 1.5 | 25 |
| 37 | Study of the interface action between LaCoO ₃ layer and Al ₂ O ₃ substrate. <i>Surface and Interface Analysis</i> , 2001 , 32, 183-188 | 1.5 | 4 |
| 36 | Interface diffusion and reaction between TiO ₂ film photocatalyst and aluminium alloy substrate. <i>Surface and Interface Analysis</i> , 2001 , 32, 218-223 | 1.5 | 11 |
| 35 | Interface diffusion and reaction between Ti layer and Si ₃ N ₄ /Si substrate. <i>Surface and Interface Analysis</i> , 2001 , 32, 296-300 | 1.5 | 9 |
| 34 | Study of the diffusion behaviour of MoO ₃ and ZnO on oxide thin films by SR-TXRF. <i>Surface and Interface Analysis</i> , 2001 , 32, 301-305 | 1.5 | 1 |
| 33 | Chemical structure and interface reaction of LaCoO ₃ /Si thin-film system. <i>Surface and Interface Analysis</i> , 2001 , 32, 310-313 | 1.5 | 5 |
| 32 | Polymerization of chlorofluorocarbon-22 and acetonitrile. <i>Journal of Applied Polymer Science</i> , 2001 , 81, 116-120 | 2.9 | 3 |
| 31 | Amperometric Detection of Glucose with Glucose Oxidase Absorbed on Porous Nanocrystalline TiO ₂ Film. <i>Electroanalysis</i> , 2001 , 13, 413-416 | 3 | 90 |

| | | | |
|----|--|-----|-----|
| 30 | Thermal positive-ionic and electronic emissions from iridium heated in vacua. <i>IEEE Transactions on Plasma Science</i> , 2001 , 29, 781-784 | 1.3 | 3 |
| 29 | The preparation and chemical structure of TiO ₂ film photocatalysts supported on stainless steel substrates via the sol-gel method. <i>Journal of Materials Chemistry</i> , 2001 , 11, 1864-1868 | | 67 |
| 28 | Low temperature synthesis and magnetism of La _{0.75} Ca _{0.25} MnO ₃ nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2000 , 61, 1407-1413 | 3.9 | 35 |
| 27 | Activation energies for thermal ionic and neutral desorptions from thin films of lithium halides. <i>Thermochimica Acta</i> , 2000 , 344, 103-117 | 2.9 | 4 |
| 26 | Thermal desorption of H ₂ , H ₂ O and electron by temperature-programmed heating of saline hydrides in vacuum. <i>Thermochimica Acta</i> , 2000 , 344, 119-125 | 2.9 | 7 |
| 25 | The effect of dopants on the electronic structure of SnO ₂ thin film. <i>Sensors and Actuators B: Chemical</i> , 2000 , 66, 219-221 | 8.5 | 23 |
| 24 | The chemical states and properties of doped TiO ₂ film photocatalyst prepared using the Sol-Gel method with TiCl ₄ as a precursor. <i>Applied Surface Science</i> , 2000 , 158, 32-37 | 6.7 | 64 |
| 23 | Preparation of nanosized LaCoO ₃ perovskite oxide using amorphous heteronuclear complex as a precursor at low temperature. <i>Journal of Materials Science</i> , 2000 , 35, 5415-5420 | 4.3 | 49 |
| 22 | The synthesis of nanosized TiO ₂ powder using a sol-gel method with TiCl ₄ as a precursor. <i>Journal of Materials Science</i> , 2000 , 35, 4049-4054 | 4.3 | 109 |
| 21 | Preparation of nanosized La ₂ CuO ₄ perovskite oxide using an amorphous heteronuclear complex as a precursor at low-temperature. <i>Journal of Alloys and Compounds</i> , 2000 , 311, 16-21 | 5.7 | 22 |
| 20 | Diffusing behavior of MoO ₃ on Al ₂ O ₃ and SiO ₂ thin films. <i>Surface Science</i> , 2000 , 470, 121-130 | 1.8 | 8 |
| 19 | Positive-ionic and neutral-molecular desorptions by temperature-programmed heating of a thin film of lithium bromide. <i>Thin Solid Films</i> , 1999 , 339, 225-232 | 2.2 | 4 |
| 18 | The interaction of C ₆₀ fullerene and carbon nanotube with Ar ion beam. <i>Applied Surface Science</i> , 1999 , 137, 83-90 | 6.7 | 92 |
| 17 | Optimum temperature range for positive ion production from metal halide molecules incident upon heated metal catalysts. <i>Applied Surface Science</i> , 1999 , 144-145, 404-408 | 6.7 | 5 |
| 16 | Preparation of nanosized Gd ₂ CuO ₄ cuprate using amorphous heteronuclear complex as a precursor at low temperature. <i>Journal of Materials Science</i> , 1999 , 34, 4969-4973 | 4.3 | 10 |
| 15 | Application of AES line shape analysis for the identification of interface species during the metallization of diamond particles 1999 , 28, 254-257 | | 12 |
| 14 | Interface diffusion and chemical reaction on the interface of a PZT film/Si(III) sample during annealing treatment in N ₂ and vacuum. <i>Surface and Interface Analysis</i> , 1999 , 27, 972-980 | 1.5 | 3 |
| 13 | Auger chemical shift analysis and its applications to the identification of interface species in thin films. <i>Applied Surface Science</i> , 1998 , 133, 213-220 | 6.7 | 22 |

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|----|---|------|---|
| 12 | Accumulation and migration of alkali halide molecules incident upon metal surfaces heated in high vacua. <i>Studies in Surface Science and Catalysis</i> , 1997 , 151-160 | 1.8 | 3 |
| 11 | Temperature-programmed desorption study of the surface states during positive ionic and neutral-molecular desorption from a lithium halide film on platinum. <i>Studies in Surface Science and Catalysis</i> , 1997 , 112, 377-386 | 1.8 | 2 |
| 10 | Sticking probability of metal halide molecules incident upon refractory metal surfaces heated in high vacua. <i>Applied Surface Science</i> , 1997 , 119, 341-345 | 6.7 | 5 |
| 9 | General applicability of our empirical formulae expressing the threshold temperature range for dissociative positive ionization of halide molecules on heated metal surfaces. <i>Applied Surface Science</i> , 1997 , 108, 113-119 | 6.7 | 6 |
| 8 | Effective work functions for thermal positive-ionic and electronic emissions from tantalum heated in a high vacuum. <i>Vacuum</i> , 1997 , 48, 629-631 | 3.7 | 4 |
| 7 | Activation energies for the desorption of neutral molecules and positive ions from alkali-halide layers heated on a metal surface. <i>Thermochimica Acta</i> , 1997 , 299, 59-65 | 2.9 | 3 |
| 6 | Effective work functions of polycrystalline refractory metals heated for thermal positive-ionic and electronic emissions. <i>Thermochimica Acta</i> , 1997 , 299, 67-80 | 2.9 | 6 |
| 5 | Desorption energy of H ₂ from heated saline hydrides and their work function effective for thermal electron emission. <i>Thermochimica Acta</i> , 1997 , 299, 81-85 | 2.9 | 9 |
| 4 | A study of the oxygen adsorption and initial oxidation on polycrystalline zinc by AES line shapes and EELS. <i>Surface Science</i> , 1992 , 275, 357-364 | 1.8 | 6 |
| 3 | Graphitic Carbon Nitride for Photoelectrochemical Detection of Environmental Pollutants. <i>ACS ES&T Engineering</i> , | | 8 |
| 2 | Steering Unit Cell Dipole and Internal Electric Field by Highly Dispersed Er atoms Embedded into NiO for Efficient CO ₂ Photoreduction. <i>Advanced Functional Materials</i> , 2111999 | 15.6 | 3 |
| 1 | Transition-metal-based cocatalysts for photocatalytic water splitting. <i>Small Structures</i> , | 8.7 | 4 |