

Zhu Yongfa

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1690709/zhu-yongfa-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
370	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
369	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
368	Chemical exfoliation of graphitic carbon nitride for efficient heterogeneous photocatalysis. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14766	13	853
367	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
366	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
365	Decontamination of bisphenol A from aqueous solution by graphene adsorption. <i>Langmuir</i> , 2012 , 28, 8418-25	4	635
364	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
363	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
362	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
361	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
360	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
359	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
358	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
357	Performance enhancement of ZnO photocatalyst via synergic effect of surface oxygen defect and graphene hybridization. <i>Langmuir</i> , 2013 , 29, 3097-105	4	397
356	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
355	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

354	Three-dimensional porous g-C ₃ N ₄ for highly efficient photocatalytic overall water splitting. <i>Nano Energy</i> , 2019 , 59, 644-650	17.1	347
353	Peroxymonosulfate enhanced visible light photocatalytic degradation bisphenol A by single-atom dispersed Ag mesoporous g-C ₃ N ₄ hybrid. <i>Applied Catalysis B: Environmental</i> , 2017 , 211, 79-88	21.8	328
352	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
351	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
350	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
349	Development of a gas sensor utilizing chemiluminescence on nanosized titanium dioxide. <i>Analytical Chemistry</i> , 2002 , 74, 120-4	7.8	310
348	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
347	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
346	Influence of Defects on the Photocatalytic Activity of ZnO. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 15300-15307	3.8	295
345	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
344	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
343	Well-designed 3D ZnIn ₂ S ₄ nanosheets/TiO ₂ nanobelts as direct Z-scheme photocatalysts for CO ₂ photoreduction into renewable hydrocarbon fuel with high efficiency. <i>Applied Catalysis B: Environmental</i> , 2017 , 219, 611-618	21.8	266
342	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
341	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
340	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
339	Surface oxygen vacancy induced MnO ₂ nanofiber for highly efficient ozone elimination. <i>Applied Catalysis B: Environmental</i> , 2017 , 209, 729-737	21.8	248
338	Nanoporous graphitic carbon nitride with enhanced photocatalytic performance. <i>Langmuir</i> , 2013 , 29, 10566-72	4	247
337	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

- 336 Enhanced Visible-Light-Driven Photocatalytic Disinfection Performance and Organic Pollutant Degradation Activity of Porous g-CN Nanosheets. *ACS Applied Materials & Interfaces*, **2017**, 9, 27727-27735²⁴²
- 335 Enhancement of visible light photocatalytic activities via porous structure of g-C3N4. *Applied Catalysis B: Environmental*, **2014**, 147, 229-235 21.8 239
- 334 Visible Photocatalytic Activity Enhancement of ZnWO4 by Graphene Hybridization. *ACS Catalysis*, **2012**, 2, 2769-2778 13.1 236
- 333 Defect-related photoluminescence and photocatalytic properties of porous ZnO nanosheets. *Journal of Materials Chemistry A*, **2014**, 2, 15377 13 234
- 332 Significant Visible Photoactivity and Antiphotocorrosion Performance of CdS Photocatalysts after Monolayer Polyaniline Hybridization. *Journal of Physical Chemistry C*, **2010**, 114, 5822-5826 3.8 234
- 331 Surface oxygen vacancy induced photocatalytic performance enhancement of a BiPO4 nanorod. *Journal of Materials Chemistry A*, **2014**, 2, 1174-1182 13 228
- 330 Efficient visible-light-driven selective oxygen reduction to hydrogen peroxide by oxygen-enriched graphitic carbon nitride polymers. *Energy and Environmental Science*, **2018**, 11, 2581-2589 35.4 226
- 329 Combination of photoelectrocatalysis and adsorption for removal of bisphenol A over TiO2-graphene hydrogel with 3D network structure. *Applied Catalysis B: Environmental*, **2018**, 221, 36-46^{21.8} 224
- 328 Origin of Photocatalytic Activation of Silver Orthophosphate from First-Principles. *Journal of Physical Chemistry C*, **2011**, 115, 4680-4687 3.8 223
- 327 Self-Assembled PDINH Supramolecular System for Photocatalysis under Visible Light. *Advanced Materials*, **2016**, 28, 7284-90 24 219
- 326 Photoelectrocatalytic degradation of phenol-containing wastewater by TiO2/g-C3N4 hybrid heterostructure thin film. *Applied Catalysis B: Environmental*, **2017**, 201, 600-606 21.8 218
- 325 3D-3D porous Bi2WO6/graphene hydrogel composite with excellent synergistic effect of adsorption-enrichment and photocatalytic degradation. *Applied Catalysis B: Environmental*, **2017**, 205, 228-237 21.8 214
- 324 Synergetic degradation of rhodamine B at a porous ZnWO4 film electrode by combined electro-oxidation and photocatalysis. *Environmental Science & Technology*, **2006**, 40, 3367-72 10.3 206
- 323 Enhancement of full-spectrum photocatalytic activity over BiPO4/Bi2WO6 composites. *Applied Catalysis B: Environmental*, **2017**, 200, 222-229 21.8 196
- 322 Enhanced Photocatalytic Performance for the BiPO4 Nanorod Induced by Surface Oxygen Vacancy. *Journal of Physical Chemistry C*, **2013**, 117, 18520-18528 3.8 196
- 321 Controlled synthesis of the ZnWO4 nanostructure and effects on the photocatalytic performance. *Inorganic Chemistry*, **2007**, 46, 8372-8 5.1 192
- 320 Synergetic activation of peroxymonosulfate by Co3O4 modified g-C3N4 for enhanced degradation of diclofenac sodium under visible light irradiation. *Applied Catalysis B: Environmental*, **2017**, 218, 810-818^{21.8} 191
- 319 Significantly enhancement of photocatalytic performances via core-shell structure of ZnO@mpg-C3N4. *Applied Catalysis B: Environmental*, **2014**, 147, 554-561 21.8 188

318	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
317	Surface-modification of SiO ₂ nanoparticles with oleic acid. <i>Applied Surface Science</i> , 2003 , 211, 315-320	6.7	185
316	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
315	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
314	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
313	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
312	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
311	Enhanced organic pollutant photodegradation via adsorption/photocatalysis synergy using a 3D g-C ₃ N ₄ /TiO ₂ free-separation photocatalyst. <i>Chemical Engineering Journal</i> , 2019 , 370, 287-294	14.7	166
310	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
309	Removal of chromium (VI) by a self-regenerating and metal free g-C ₃ N ₄ /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
308	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
307	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
306	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
305	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
304	Recent advances in 3D g-C ₃ N ₄ composite photocatalysts for photocatalytic water splitting, degradation of pollutants and CO ₂ reduction. <i>Journal of Alloys and Compounds</i> , 2019 , 802, 196-209	5.7	151
303	Size-controlled synthesis of BiPO ₄ nanocrystals for enhanced photocatalytic performance. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4235		150
302	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
301	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

300	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
299	Core-shell g-C3N4@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
298	Recent developments in nanomaterial optical sensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2004 , 23, 351-360	14.6	144
297	Enhanced Photocatalytic Activity of ZnWO4 Catalyst via Fluorine Doping. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11952-11958	3.8	143
296	Visible-light-driven photocatalyst of Bi2WO6 nanoparticles prepared via amorphous complex precursor and photocatalytic properties. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 62-69	3.3	143
295	Fabrication of Wide-Range-Visible Photocatalyst Bi2WO6-x nanoplates via Surface Oxygen Vacancies. <i>Scientific Reports</i> , 2016 , 6, 19347	4.9	140
294	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
293	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
292	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
291	Photocatalytic degradation of deoxynivalenol using graphene/ZnO hybrids in aqueous suspension. <i>Applied Catalysis B: Environmental</i> , 2017 , 204, 11-20	21.8	132
290	Enhancement of visible photocatalytic performances of a Bi2MoO6-BiOCl nanocomposite with plate-on-plate heterojunction structure. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 26314-21	3.6	132
289	Photocatalytic H2 evolution on MoS2-TiO2 catalysts synthesized via mechanochemistry. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 933-40	3.6	131
288	The surface oxygen vacancy induced visible activity and enhanced UV activity of a ZnO1-x photocatalyst. <i>Catalysis Science and Technology</i> , 2013 , 3, 3136	5.5	130
287	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
286	Synthesis, characterization and photocatalytic properties of nanosized Bi2WO6, PbWO4 and ZnWO4 catalysts. <i>Materials Research Bulletin</i> , 2007 , 42, 696-706	5.1	128
285	Effect of Compensated Codoping on the Photoelectrochemical Properties of Anatase TiO2 Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 16963-16969	3.8	127
284	Effects of distortion of PO4 tetrahedron on the photocatalytic performances of BiPO4. <i>Catalysis Science and Technology</i> , 2011 , 1, 1399	5.5	127
283	Solid-phase photocatalytic degradation of polystyrene plastic with TiO2 as photocatalyst. <i>Journal of Solid State Chemistry</i> , 2003 , 174, 104-110	3.3	127

282	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
281	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
280	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
279	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
278	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
277	Photocatalytic degradation of polystyrene plastic under fluorescent light. <i>Environmental Science & Technology</i> , 2003 , 37, 4494-9	10.3	120
276	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
275	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
274	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
273	Photocatalytic performance of BiPO ₄ nanorods adjusted via defects. <i>Applied Catalysis B: Environmental</i> , 2016 , 187, 204-211	21.8	117
272	One-pot synthesis of C/Bi/Bi ₂ O ₃ composite with enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2017 , 219, 63-72	21.8	116
271	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
270	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
269	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
268	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
267	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
266	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
265	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

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	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
262	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
261	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
260	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
259	Enhancement of photocatalytic activity for BiPO ₄ via phase junction. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13041-13048	13	104
258	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
257	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
256	Synthesis and characterization of the ZnO/mpg-CN ₄ heterojunction photocatalyst with enhanced visible light photoactivity. <i>Dalton Transactions</i> , 2014 , 43, 13105-14	4.3	100
255	Fluorine mediated photocatalytic activity of BiPO ₄ . <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 851-857	11.8	100
254	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
253	Preparation of visible light-driven g-CN ₄ @ZnO hybrid photocatalyst via mechanochemistry. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 17627-33	3.6	99
252	Low temperature synthesis and characterization of molybdenum disulfide nanotubes and nanorods. <i>Materials Chemistry and Physics</i> , 2004 , 87, 87-90	4.4	98
251	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
250	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
249	Three-dimensional network structure assembled by g-C ₃ N ₄ nanorods for improving visible-light photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2019 , 255, 117761	21.8	95
248	Controlled synthesis of a highly dispersed BiPO ₄ photocatalyst with surface oxygen vacancies. <i>Nanoscale</i> , 2015 , 7, 13943-50	7.7	95
247	Application of Multiwalled Carbon Nanotubes as a Solid-Phase Extraction Sorbent for Chlorobenzenes. <i>Analytical Letters</i> , 2004 , 37, 3085-3104	2.2	92

246	The interaction of C60 fullerene and carbon nanotube with Ar ion beam. <i>Applied Surface Science</i> , 1999 , 137, 83-90	6.7	92
245	Fabrication and photoelectrochemical properties of porous ZnWO ₄ film. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 2562-2570	3.3	90
244	Amperometric Detection of Glucose with Glucose Oxidase Absorbed on Porous Nanocrystalline TiO ₂ Film. <i>Electroanalysis</i> , 2001 , 13, 413-416	3	90
243	Tuning the K Concentration in the Tunnels of δ -MnO To Increase the Content of Oxygen Vacancy for Ozone Elimination. <i>Environmental Science & Technology</i> , 2018 , 52, 8684-8692	10.3	88
242	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
241	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
240	Nanosized SrCO ₃ -based chemiluminescence sensor for ethanol. <i>Analytica Chimica Acta</i> , 2002 , 466, 69-786.6		83
239	Enhanced visible photocatalytic oxidation activity of perylene diimide/g-C ₃ N ₄ n-n heterojunction via interaction and interfacial charge separation. <i>Applied Catalysis B: Environmental</i> , 2020 , 271, 118933	21.8	82
238	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
237	Short-Range Stacking Assembly on P25 TiO ₂ Nanoparticles for Enhanced Visible-Light Photocatalysis. <i>ACS Catalysis</i> , 2017 , 7, 652-663	13.1	80
236	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
235	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
234	Synthesis, characterization, and photocatalytic properties of InVO ₄ nanoparticles. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 804-811	3.3	77
233	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
232	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
231	Fabrication of 3D ultra-light graphene aerogel/Bi ₂ WO ₆ 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
230	Supramolecular packing dominant photocatalytic oxidation and anticancer performance of PDI. <i>Applied Catalysis B: Environmental</i> , 2018 , 231, 251-261	21.8	73
229	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

228	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
227	Three-dimensional photocatalysts with a network structure. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5661-5679	13	70
226	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
225	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
224	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
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	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
221	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
220	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
219	Visible-light-driven NaTaO ₃ ·nH ₂ O catalyst prepared by a hydrothermal process. <i>Materials Research Bulletin</i> , 2008 , 43, 864-872	5.1	66
218	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
217	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
216	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
215	Size dependence of SiO ₂ particles enhanced glucose biosensor. <i>Talanta</i> , 2006 , 68, 569-74	6.2	63
214	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
213	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
212	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
211	A New Reaction to ZnO Nanoparticles. <i>Chemistry Letters</i> , 2004 , 33, 770-771	1.7	62

210	Influence of phase structure and morphology on the photocatalytic activity of bismuth molybdates. <i>CrystEngComm</i> , 2016 , 18, 1976-1986	3.3	61
209	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
208	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
207	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
206	Surface hybridization effect of C60 molecules on TiO2 and enhancement of the photocatalytic activity. <i>Journal of Molecular Catalysis A</i> , 2010 , 331, 7-14		58
205	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
204	Enhancement of mineralization ability of C3N4 via a lower valence position by a tetracyanoquinodimethane organic semiconductor. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11432-11438	13	56
203	Template-free synthesis of polymer-derived mesoporous SiOC/TiO2 and SiOC/N-doped TiO2 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
202	Zn3V2O7(OH)2(H2O)2 and Zn3V2O8 nanostructures: controlled fabrication and photocatalytic performance. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6313		56
201	Separation-Free Polyaniline/TiO2 3D Hydrogel with High Photocatalytic Activity. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500502	4.6	55
200	Highly efficient photodegradation of RhB/MO mixture dye wastewater by Ag3PO4 dodecahedrons under acidic condition. <i>Journal of Molecular Catalysis A</i> , 2014 , 393, 302-308		53
199	Effects of Ta5+ Substitution on the Structure and Photocatalytic Behavior of the Ca2Nb2O7 Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 3126-3133	3.8	52
198	Facile synthesis of hollow Co3O4 microspheres and its use as a rapid responsive CL sensor of combustible gases. <i>Talanta</i> , 2008 , 76, 1058-64	6.2	50
197	Photocatalytic activity and photoelectric performance enhancement for ZnWO4 by fluorine substitution. <i>Journal of Molecular Catalysis A</i> , 2011 , 348, 100-105		49
196	Preparation of nanosized LaCoO3 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
195	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
194	Influence of ZnWO4 nanorod aspect ratio on the photocatalytic activity. <i>CrystEngComm</i> , 2011 , 13, 4695	3.3	48
193	The reaction and poisoning mechanism of SO2 and perovskite LaCoO3 film model catalysts. <i>Applied Catalysis A: General</i> , 2001 , 209, 71-77	5.1	47

192	Internal electric field engineering for steering photogenerated charge separation and enhancing photoactivity. <i>EcoMat</i> , 2019 , 1, e12007	9.4	47
191	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
190	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
189	Highly Efficient Organic Photocatalyst with Full Visible Light Spectrum through π -Stacking of TCNQ-PTCDI. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30225-30231	9.5	46
188	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
187	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
186	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
185	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
184	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
183	Glucose biosensor based on nano-SiO ₂ and "unprotected" Pt nanoclusters. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 2989-93	11.8	43
182	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
181	Electrochemical biosensing platforms using poly-cyclodextrin and carbon nanotube composite. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 295-8	11.8	42
180	Mixed solvents: a key in solvothermal synthesis of KTaO ₃ . <i>Journal of Solid State Chemistry</i> , 2004 , 177, 2985-2990	3.3	42
179	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
178	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
177	Synthesis of CdMoO ₄ microspheres by self-assembly and photocatalytic performances. <i>CrystEngComm</i> , 2012 , 14, 1128-1134	3.3	40
176	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
175	Synthesis and photoactivity enhancement of ZnWO ₄ photocatalysts doped with chlorine. <i>CrystEngComm</i> , 2012 , 14, 8076	3.3	39

174	Large-scale Synthesis of Luminescent Y ₂ O ₃ :Eu Nanobelts. <i>Chemistry Letters</i> , 2003 , 32, 862-863	1.7	39
173	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
172	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
171	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
170	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
169	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
168	Synthesis of CdWO ₄ nanorods and investigation of the photocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 212-8	3.6	37
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	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
165	Two-dimensional polymeric carbon nitride: structural engineering for optimizing photocatalysis. <i>Science China Chemistry</i> , 2018 , 61, 1205-1213	7.9	36
164	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
163	A high performance glucose biosensor enhanced via nanosized SiO ₂ . <i>Analytica Chimica Acta</i> , 2005 , 554, 92-97	6.6	36
162	K ⁺ -induced crystallization of polymeric carbon nitride to boost its photocatalytic activity for H ₂ evolution and hydrogenation of alkenes. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118457	21.8	36
161	Solvothermal Synthesis of Sodium and Potassium Tantalate Perovskite Nanocubes. <i>Chemistry Letters</i> , 2004 , 33, 900-901	1.7	35
160	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
159	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
158	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
157	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

156	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
155	Photocatalysis-self-Fenton system with high-fluent degradation and high mineralization ability. <i>Applied Catalysis B: Environmental</i> , 2020 , 276, 119150	21.8	34
154	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
153	Charge storage performances of micro-supercapacitor predominated by two-dimensional (2D) crystal structure. <i>Nano Energy</i> , 2016 , 27, 58-67	17.1	33
152	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
151	A newly discovered BiF ₃ photocatalyst with a high positive valence band. <i>Journal of Molecular Catalysis A</i> , 2015 , 401, 35-40		31
150	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
149	Photoelectrochemical properties of thin Bi ₂ WO ₆ films. <i>Thin Solid Films</i> , 2007 , 515, 4753-4757	2.2	31
148	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
147	Poisoning mechanism of perovskite LaCoO ₃ catalyst by organophosphorous gas. <i>Applied Catalysis B: Environmental</i> , 2005 , 58, 61-68	21.8	29
146	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
145	Enhanced cyclability of CdS/TiO ₂ photocatalyst by stable interface structure. <i>Superlattices and Microstructures</i> , 2012 , 51, 799-808	2.8	28
144	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
143	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
142	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
141	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
140	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
139	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

138	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
137	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
136	Photocatalytic activity enhanced via surface hybridization 2020 , 2, 308-349		25
135	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
134	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
133	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
132	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
131	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
130	TiO ₂ @Perylene Diimide Full-Spectrum Photocatalysts via Semi-Core-Shell Structure. <i>Small</i> , 2019 , 15, e1903933	23	23
129	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
128	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
127	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
126	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
125	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
124	Preparation and Photoelectrochemical Properties of Bi ₂ MoO ₆ Films. <i>Acta Physico-chimica Sinica</i> , 2007 , 23, 1671-1676		22
123	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
122	Enhanced photocatalytic activity of PTCDI-C60 via π-π interaction. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 302-308	21.8	21
121	Deactivating harmful marine microorganisms through photoelectrocatalysis by GO/ZnWO ₄ electrodes. <i>Chemical Engineering Journal</i> , 2017 , 330, 635-643	14.7	21

120	Formation and performances of porous InVO ₄ films. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 873-882	3.3	21
119	Carbon nitride nested tubes with graphene as a dual electron mediator in Z-scheme photocatalytic deoxyvalenol degradation. <i>Catalysis Science and Technology</i> , 2019 , 9, 1680-1690	5.5	21
118	CeO ₂ supported Pd dimers boosting CO ₂ hydrogenation to ethanol. <i>Applied Catalysis B: Environmental</i> , 2021 , 291, 120122	21.8	21
117	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
116	New insights into the relationship between photocatalytic activity and TiO ₂ /ZnO composites. <i>RSC Advances</i> , 2015 , 5, 29201-29208	3.7	20
115	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
114	Construction of Interfacial Electric Field via Dual-Porphyrin Heterostructure Boosting Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2021 , e2106807	24	20
113	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
112	Enhanced visible-light photocatalytic degradation and disinfection performance of oxidized nanoporous g-C ₃ N ₄ via decoration with graphene oxide quantum dots. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 474-484	11.3	19
111	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
110	Encapsulate MnO nanofiber within graphene layer to tune surface electronic structure for efficient ozone decomposition. <i>Nature Communications</i> , 2021 , 12, 4152	17.4	19
109	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
108	TiO ₂ /Al(H ₂ PO ₄) ₃ composite film as separation-free and washing-resistance photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2017 , 204, 43-48	21.8	18
107	High photocatalytic activity of oxychloride CaBiO ₂ Cl under visible light irradiation. <i>CrystEngComm</i> , 2012 , 14, 6257	3.3	18
106	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
105	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
104	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
103	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

102	Destructive adsorption of carbon tetrachloride on nanometer titanium dioxide. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 985	3.6	16
101	Controlled synthesis of 1D ZnO nanostructures via hydrothermal process. <i>Materials Research Bulletin</i> , 2014 , 49, 665-671	5.1	15
100	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
99	In ₂ O ₃ /boron doped g-C ₃ N ₄ heterojunction catalysts with remarkably enhanced visible-light photocatalytic efficiencies. <i>Applied Surface Science</i> , 2020 , 504, 144241	6.7	15
98	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
97	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
96	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
95	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
94	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
93	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
92	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
91	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
90	Preparation and conducting performance of LaNiO ₃ thin film on Si substrate. <i>Thin Solid Films</i> , 2005 , 471, 48-52	2.2	12
89	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
88	Application of AES line shape analysis for the identification of interface species during the metallization of diamond particles 1999 , 28, 254-257		12
87	Photogenerated-hole-induced rapid elimination of solid tumors by the supramolecular porphyrin photocatalyst. <i>National Science Review</i> , 2021 , 8, nwa155	10.8	12
86	Understanding the contribution of hydroxyl to the energy band of a semiconductor: Bi ₂ O(OH) ₂ SO ₄ vs. Bi ₆ S ₂ O ₁₅ . <i>Dalton Transactions</i> , 2016 , 45, 6866-77	4.3	11
85	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

84	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
83	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
82	Formation of hollow NiO single crystals and Ag/NiO flowers. <i>Materials Research Bulletin</i> , 2008 , 43, 3562-3569	3.569	10
81	An Easy Method to Prepare Nanowire. <i>Chemistry Letters</i> , 2003 , 32, 594-595	1.7	10
80	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
79	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
78	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
77	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
76	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
75	Preparation of nanosized La _{1-x} Sr _x CoO ₃ via La _{1-x} Sr _x Co(DTPA) _n H ₂ O amorphous complex precursor. <i>Journal of Alloys and Compounds</i> , 2003 , 352, 134-139	5.7	9
74	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
73	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
72	Research progress on methane conversion coupling photocatalysis and thermocatalysis 2021 , 3, 519-540		9
71	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
70	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
69	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
68	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
67	Graphitic Carbon Nitride for Photoelectrochemical Detection of Environmental Pollutants. <i>ACS ES&T Engineering</i> ,		8

66	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
65	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
64	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
63	Platinum nanowire array electrochemical sensor: fabrication and characterization. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 2437-41	1.3	7
62	Thermal desorption of H ₂ , H ₂ and electron by temperature-programmed heating of saline hydrides in vacuum. <i>Thermochimica Acta</i> , 2000 , 344, 119-125	2.9	7
61	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
60	In situ hydrothermal fabrication of a MnO ₂ @CoMoO ₄ @Ni nano hybrid electrode and ultrahigh energy density of ASCs. <i>RSC Advances</i> , 2016 , 6, 46508-46515	3.7	7
59	Bottom-up approach to quasi-monolayer black phosphorus advancing photocatalytic H ₂ evolution. <i>Chemical Engineering Journal</i> , 2021 , 421, 127841	14.7	7
58	Ultrathin perylene imide nanosheet with fast charge transfer enhances photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2021 , 298, 120585	21.8	7
57	Photocatalytic activity enhancement of LaPO ₄ via surface oxygen vacancies. <i>RSC Advances</i> , 2015 , 5, 56711-56716	5.7	6
56	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
55	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
54	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
53	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
52	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
51	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
50	Controlled Synthesis of Higher Interfacial Electron Transfer Graphite-Like Carbon Nitride/Perylenetetra-carboxylic Diimide Heterogeneous for Enhanced Photocatalytic Activity. <i>Solar Rrl</i> , 2021 , 5, 2000453	7.1	6
49	Create a strong internal electric-field on PDI photocatalysts for boosting phenols degradation via preferentially exposing E-conjugated planes up to 100%. <i>Applied Catalysis B: Environmental</i> , 2021 , 300, 120762	21.8	6

48	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
47	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
46	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
45	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
44	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
43	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
42	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
41	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
40	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
39	Electron Donor-Acceptor Interface of TPPS/PDI Boosting Charge Transfer for Efficient Photocatalytic Hydrogen Evolution.. <i>Advanced Science</i> , 2022 , e2201134	13.6	5
38	Catalytic activity of porous carbon nitride regulated by polyoxometalates under visible light.. <i>RSC Advances</i> , 2020 , 10, 8255-8260	3.7	4
37	Electrochemical properties of novel titania nanostructures. <i>Nanotechnology</i> , 2015 , 26, 225603	3.4	4
36	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
35	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
34	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
33	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
32	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
31	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

30	CN/iodine-doped CN homojunction powder catalysts with excellent visible-light photocatalytic properties. <i>Powder Technology</i> , 2020 , 373, 488-496	5.2	4
29	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}	3.6	4
28	Comparison of the interfacial reactions and properties between Ag/Ti3AlC2 and Ag/Ti3SiC2 electrical contact materials. <i>Journal of Alloys and Compounds</i> , 2021 , 857, 157588	5.7	4
27	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
26	Transition-metal-based cocatalysts for photocatalytic water splitting. <i>Small Structures</i> ,	8.7	4
25	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
24	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
23	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
22	Polymerization of chlorofluorocarbon-22 and acetonitrile. <i>Journal of Applied Polymer Science</i> , 2001 , 81, 116-120	2.9	3
21	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
20	Interface diffusion and chemical reaction on the interface of a PZT film/Si(III) sample during annealing treatment in N2 and vacuum. <i>Surface and Interface Analysis</i> , 1999 , 27, 972-980	1.5	3
19	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
18	Cation-Deficiency-Dependent CO Electroreduction over Copper-Based Ruddlesden-Popper Perovskite Oxides. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	3
17	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> , 2011 , 21, 1999	15.6	3
16	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
15	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
14	Syntheses of La1-xBaxMn2Al10O19 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
13	AES study on the interface diffusion and reaction between Cr layer and Si3N4/Si substrate. <i>Surface and Interface Analysis</i> , 2002 , 33, 496-499	1.5	2

12	Photo-sensitization of BiOCl by CuInS ₂ Surface Layer for Photoelectrochemical Cathode. <i>Catalysis Letters</i> , 2020 , 150, 1337-1345	2.8	2
11	p-Type Cu ₂ O as an effective interlayer between CdS and NiO _x cocatalysts to promote photocatalytic hydrogen production. <i>New Journal of Chemistry</i> , 2020 , 44, 17719-17723	3.6	2
10	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
9	DyVO ₄ /boron-doped g-C ₃ N ₄ composite photocatalytic materials with enhanced visible-light purification properties. <i>Diamond and Related Materials</i> , 2019 , 97, 107462	3.5	1
8	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
7	Visible-light-promoted aerobic oxidative hydroxylation of arylboronic acids in water by hydrophilic organic semiconductor. <i>Tetrahedron Letters</i> , 2020 , 61, 152010	2	1
6	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
5	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
4	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
3	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	
2	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	
1	Cation-Deficiency-Dependent CO ₂ Electroreduction over Copper-Based Ruddlesden-Popper Perovskite Oxides. <i>Angewandte Chemie</i> , 2022 , 134, e202111670	3.6	