Yongfa Zhu

List of Publications by Citations

149 papers	21,285 citations	76 h-index	145 g-index
151 ext. papers	24,726 ext. citations	15.5 avg, IF	7.6 L-index

#	Paper	IF	Citations
149	Significantly enhanced photocatalytic performance of ZnO via graphene hybridization and the mechanism study. *Applied Catalysis B: Environmental*, **2011**, 101, 382-387	21.8	950
148	Enhancement of photocurrent and photocatalytic activity of ZnO hybridized with graphite-like C3N4. *Energy and Environmental Science*, **2011**, 4, 2922	35.4	908
147	Chemical exfoliation of graphitic carbon nitride for efficient heterogeneous photocatalysis. *Journal of Materials Chemistry A*, **2013**, 1, 14766	13	853
146	Synthesis of Square Bi2WO6 Nanoplates as High-Activity Visible-Light-Driven Photocatalysts. *Chemistry of Materials*, **2005**, 17, 3537-3545	9.6	820
145	Dramatic Activity of C3N4/BiPO4 Photocatalyst with Core/Shell Structure Formed by Self-Assembly. *Advanced Functional Materials*, **2012**, 22, 1518-1524	15.6	743
144	Decontamination of bisphenol A from aqueous solution by graphene adsorption. *Langmuir*, **2012**, 28, 8418-25	4	635
143	Photocatalytic Activity Enhanced via g-C3N4 Nanoplates to Nanorods. *Journal of Physical Chemistry C*, **2013**, 117, 9952-9961	3.8	524
142	New type of BiPO(4) oxy-acid salt photocatalyst with high photocatalytic activity on degradation of dye. *Environmental Science & Technology*, **2010**, 44, 5570-4	10.3	487
141	Dramatic visible photocatalytic degradation performances due to synergetic effect of TiO2 with PANI. *Environmental Science & Technology*, **2008**, 42, 3803-7	10.3	455
140	Photocorrosion inhibition and enhancement of photocatalytic activity for ZnO via hybridization with C60. *Environmental Science & Technology*, **2008**, 42, 8064-9	10.3	434
139	Enhancement of visible photocatalytic activity via Ag@C3N4 core–shell plasmonic composite. *Applied Catalysis B: Environmental*, **2014**, 147, 82-91	21.8	399
138	Performance enhancement of ZnO photocatalyst via synergic effect of surface oxygen defect and graphene hybridization. *Langmuir*, **2013**, 29, 3097-105	4	397
137	Controllable synthesis of Bi2MoO6 and effect of morphology and variation in local structure on photocatalytic activities. *Applied Catalysis B: Environmental*, **2010**, 98, 138-146	21.8	362
136	Photocorrosion Inhibition and Photoactivity Enhancement for Zinc Oxide via Hybridization with Monolayer Polyaniline. *Journal of Physical Chemistry C*, **2009**, 113, 4605-4611	3.8	361
135	Three-dimensional porous g-C3N4 for highly efficient photocatalytic overall water splitting. *Nano Energy*, **2019**, 59, 644-650	17.1	347
134	Peroxymonosulfate enhanced visible light photocatalytic degradation bisphenol A by single-atom dispersed Ag mesoporous g-C3N4 hybrid. *Applied Catalysis B: Environmental*, **2017**, 211, 79-88	21.8	328
133	Enhanced oxidation ability of g-C3N4 photocatalyst via C60 modification. *Applied Catalysis B: Environmental*, **2014**, 152-153, 262-270	21.8	325

132	Photocatalytic degradation of RhB by fluorinated Bi2WO6 and distributions of the intermediate products. *Environmental Science & Technology*, **2008**, 42, 2085-91	10.3	321
131	Enhancement of photocatalytic activity of Bi2WO6 hybridized with graphite-like C3N4. *Journal of Materials Chemistry*, **2012**, 22, 11568		318
130	Synergetic effect of Bi2WO6 photocatalyst with C60 and enhanced photoactivity under visible irradiation. *Environmental Science & Technology*, **2007**, 41, 6234-9	10.3	306
129	Removal of Cr(VI) by 3D TiO2-graphene hydrogel via adsorption enriched with photocatalytic reduction. *Applied Catalysis B: Environmental*, **2016**, 199, 412-423	21.8	282
128	Enhanced catalytic activity of potassium-doped graphitic carbon nitride induced by lower valence position. *Applied Catalysis B: Environmental*, **2015**, 164, 77-81	21.8	261
127	Photocatalytic activity enhancement of core-shell structure g-C3N4@TiO2 via controlled ultrathin g-C3N4 layer. *Applied Catalysis B: Environmental*, **2018**, 220, 337-347	21.8	254
126	Surface oxygen vacancy induced □MnO2 nanofiber for highly efficient ozone elimination. *Applied Catalysis B: Environmental*, **2017**, 209, 729-737	21.8	248
125	Nanoporous graphitic carbon nitride with enhanced photocatalytic performance. *Langmuir*, **2013**, 29, 10566-72	4	247
124	Significant photocatalytic enhancement in methylene blue degradation of TiO2 photocatalysts via graphene-like carbon in situ hybridization. *Applied Catalysis B: Environmental*, **2010**, 100, 179-183	21.8	244
123	Enhanced Visible-Light-Driven Photocatalytic Disinfection Performance and Organic Pollutant Degradation Activity of Porous g-CN Nanosheets. *ACS Applied Materials & Interfaces*, **2017**, 9, 27727-27735	9.5	242
122	Enhancement of visible light photocatalytic activities via porous structure of g-C3N4. *Applied Catalysis B: Environmental*, **2014**, 147, 229-235	21.8	239
121	Visible Photocatalytic Activity Enhancement of ZnWO4 by Graphene Hybridization. *ACS Catalysis*, **2012**, 2, 2769-2778	13.1	236
120	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
119	Surface oxygen vacancy induced photocatalytic performance enhancement of a BiPO4 nanorod. *Journal of Materials Chemistry A*, **2014**, 2, 1174-1182	13	228
118	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
117	Self-Assembled PDINH Supramolecular System for Photocatalysis under Visible Light. *Advanced Materials*, **2016**, 28, 7284-90	24	219
116	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
115	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

114	Enhancement of full-spectrum photocatalytic activity over BiPO4/Bi2WO6 composites. *Applied Catalysis B: Environmental*, **2017**, 200, 222-229	21.8	196
113	Enhanced Photocatalytic Performance for the BiPO4 Nanorod Induced by Surface Oxygen Vacancy. *Journal of Physical Chemistry C*, **2013**, 117, 18520-18528	3.8	196
112	Significantly enhancement of photocatalytic performances via core shell structure of ZnO@mpg-C3N4. *Applied Catalysis B: Environmental*, **2014**, 147, 554-561	21.8	188
111	Polyaniline/Carbon Nitride Nanosheets Composite Hydrogel: A Separation-Free and High-Efficient Photocatalyst with 3D Hierarchical Structure. *Small*, **2016**, 12, 4370-8	11	170
110	Photocatalytic Activity Enhancement for Bi2WO6 by Fluorine Substitution. *Journal of Physical Chemistry C*, **2009**, 113, 19633-19638	3.8	169
109	Enhanced organic pollutant photodegradation via adsorption/photocatalysis synergy using a 3D g-C3N4/TiO2 free-separation photocatalyst. *Chemical Engineering Journal*, **2019**, 370, 287-294	14.7	166
108	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. *Applied Catalysis B: Environmental*, **2017**, 219, 53-62	21.8	163
107	Production of visible activity and UV performance enhancement of ZnO photocatalyst via vacuum deoxidation. *Applied Catalysis B: Environmental*, **2013**, 138-139, 26-32	21.8	160
106	Visible light photoactivity enhancement via CuTCPP hybridized g-C3N4 nanocomposite. *Applied Catalysis B: Environmental*, **2015**, 166-167, 366-373	21.8	155
105	Enhancement of catalytic activity and oxidative ability for graphitic carbon nitride. *Journal of Photochemistry and Photobiology C: Photochemistry Reviews*, **2016**, 28, 87-115	16.4	155
104	Photodegradation of phenol via C 3 N 4 -agar hybrid hydrogel 3D photocatalysts with free separation. *Applied Catalysis B: Environmental*, **2016**, 183, 263-268	21.8	149
103	Enhanced Photocatalytic Activity of ZnWO4 Catalyst via Fluorine Doping. *Journal of Physical Chemistry C*, **2007**, 111, 11952-11958	3.8	143
102	Photocatalytic degradation of tetracycline antibiotics using three-dimensional network structure perylene diimide supramolecular organic photocatalyst under visible-light irradiation. *Applied Catalysis B: Environmental*, **2020**, 277, 119122	21.8	137
101	Enhancement of mineralization ability for phenol via synergetic effect of photoelectrocatalysis of g-C3N4 film. *Applied Catalysis B: Environmental*, **2016**, 180, 324-329	21.8	134
100	Photocatalytic degradation of deoxynivalenol using graphene/ZnO hybrids in aqueous suspension. *Applied Catalysis B: Environmental*, **2017**, 204, 11-20	21.8	132
99	Enhancement of visible photocatalytic performances of a Bi2MoO6-BiOCl nanocomposite with plate-on-plate heterojunction structure. *Physical Chemistry Chemical Physics*, **2014**, 16, 26314-21	3.6	132
98	The surface oxygen vacancy induced visible activity and enhanced UV activity of a ZnO1 photocatalyst. *Catalysis Science and Technology*, **2013**, 3, 3136	5.5	130
97	Effects of distortion of PO4 tetrahedron on the photocatalytic performances of BiPO4. *Catalysis Science and Technology*, **2011**, 1, 1399	5.5	127

96	Supramolecular organic nanofibers with highly efficient and stable visible light photooxidation performance. *Applied Catalysis B: Environmental*, **2017**, 202, 289-297	21.8	124
95	Photoelectric catalytic degradation of methylene blue by C60-modified TiO2 nanotube array. *Applied Catalysis B: Environmental*, **2009**, 89, 425-431	21.8	121
94	Photocatalytic enhancement of hybrid C3N4/TiO2 prepared via ball milling method. *Physical Chemistry Chemical Physics*, **2015**, 17, 3647-52	3.6	119
93	Photocatalytic hydrogen generation on bifunctional ternary heterostructured In2S3/MoS2/CdS composites with high activity and stability under visible light irradiation. *Journal of Materials Chemistry A*, **2015**, 3, 18406-18412	13	118
92	Self-assembled perylene diimide based supramolecular heterojunction with Bi2WO6 for efficient visible-light-driven photocatalysis. *Applied Catalysis B: Environmental*, **2018**, 232, 175-181	21.8	118
91	A Full-Spectrum Metal-Free Porphyrin Supramolecular Photocatalyst for Dual Functions of Highly Efficient Hydrogen and Oxygen Evolution. *Advanced Materials*, **2019**, 31, e1806626	24	115
90	Covalent combination of polyoxometalate and graphitic carbon nitride for light-driven hydrogen peroxide production. *Nano Energy*, **2017**, 35, 405-414	17.1	108
89	Degradation and mineralization mechanism of phenol by BiPO4 photocatalysis assisted with H2O2. *Applied Catalysis B: Environmental*, **2013**, 142-143, 561-567	21.8	108
88	Efficient Photocatalytic Overall Water Splitting Induced by the Giant Internal Electric Field of a g-C N /rGO/PDIP Z-Scheme Heterojunction. *Advanced Materials*, **2021**, 33, e2007479	24	107
87	Ultrathin nanosheets g-C3N4@Bi2WO6 core-shell structure via low temperature reassembled strategy to promote photocatalytic activity. *Applied Catalysis B: Environmental*, **2018**, 237, 633-640	21.8	104
86	Enhancement of photocatalytic activity for BiPO4via phase junction. *Journal of Materials Chemistry A*, **2014**, 2, 13041-13048	13	104
85	Significant enhancement of the visible photocatalytic degradation performances of Bi2MoO6 nanoplate by graphene hybridization. *Journal of Molecular Catalysis A*, **2011**, 340, 77-82		103
84	Fluorine mediated photocatalytic activity of BiPO4. *Applied Catalysis B: Environmental*, **2014**, 147, 851-857	21.8	100
83	Enhancement of photocatalytic performance via a P3HT-g-C3N4 heterojunction. *Journal of Materials Chemistry A*, **2015**, 3, 2741-2747	13	100
82	Preparation of visible light-driven g-C N @ZnO hybrid photocatalyst via mechanochemistry. *Physical Chemistry Chemical Physics*, **2014**, 16, 17627-33	3.6	99
81	Three-dimensional network structure assembled by g-C3N4 nanorods for improving visible-light photocatalytic performance. *Applied Catalysis B: Environmental*, **2019**, 255, 117761	21.8	95
80	Controlled synthesis of a highly dispersed BiPO4 photocatalyst with surface oxygen vacancies. *Nanoscale*, **2015**, 7, 13943-50	7.7	95
79	Tuning the K Concentration in the Tunnels of MnO To Increase the Content of Oxygen Vacancy for Ozone Elimination. *Environmental Science & Technology*, **2018**, 52, 8684-8692	10.3	88

78	Interaction between self-assembled perylene diimide and 3D graphene for excellent visible-light photocatalytic activity. *Applied Catalysis B: Environmental*, **2019**, 240, 225-233	21.8	84
77	Enhanced visible photocatalytic oxidation activity of perylene diimide/g-C3N4 n-n heterojunction via Interaction and interfacial charge separation. *Applied Catalysis B: Environmental*, **2020**, 271, 118933	21.8	82
76	Short-Range Stacking Assembly on P25 TiO2 Nanoparticles for Enhanced Visible-Light Photocatalysis. *ACS Catalysis*, **2017**, 7, 652-663	13.1	80
75	Fluorination of ZnWO4 photocatalyst and influence on the degradation mechanism for 4-chlorophenol. *Environmental Science & Technology*, **2008**, 42, 8516-21	10.3	79
74	Constructing a novel Bi2SiO5/BiPO4 heterostructure with extended light response range and enhanced photocatalytic performance. *Applied Catalysis B: Environmental*, **2018**, 236, 205-211	21.8	78
73	Enhanced visible light photocatalytic performance of a novel heterostructured Bi4O5Br2/Bi24O31Br10/Bi2SiO5 photocatalyst. *Applied Catalysis B: Environmental*, **2015**, 172-173, 100-107	21.8	74
72	Supramolecular packing dominant photocatalytic oxidation and anticancer performance of PDI. *Applied Catalysis B: Environmental*, **2018**, 231, 251-261	21.8	73
71	Oxygen-doped carbon nitride aerogel: A self-supported photocatalyst for solar-to-chemical energy conversion. *Applied Catalysis B: Environmental*, **2018**, 236, 428-435	21.8	73
70	Three-dimensional photocatalysts with a network structure. *Journal of Materials Chemistry A*, **2017**, 5, 5661-5679	13	70
69	Enhanced photoactivity and oxidizing ability simultaneously via internal electric field and valence band position by crystal structure of bismuth oxyiodide. *Applied Catalysis B: Environmental*, **2020**, 262, 118262	21.8	70
68	Fabrication of BiOI/graphene Hydrogel/FTO photoelectrode with 3D porous architecture for the enhanced photoelectrocatalytic performance. *Applied Catalysis B: Environmental*, **2018**, 233, 202-212	21.8	69
67	Separation free C3N4/SiO2 hybrid hydrogels as high active photocatalysts for TOC removal. *Applied Catalysis B: Environmental*, **2016**, 194, 105-110	21.8	68
66	Photocatalytic performance enhanced via surface bismuth vacancy of Bi6S2O15 core/shell nanowires. *Applied Catalysis B: Environmental*, **2015**, 176-177, 306-314	21.8	67
65	Designed synthesis of a p-Ag2S/n-PDI self-assembled supramolecular heterojunction for enhanced full-spectrum photocatalytic activity. *Journal of Materials Chemistry A*, **2019**, 7, 6482-6490	13	67
64	Steering Electron-Hole Migration Pathways Using Oxygen Vacancies in Tungsten Oxides to Enhance Their Photocatalytic Oxygen Evolution Performance. *Angewandte Chemie - International Edition*, **2021**, 60, 8236-8242	16.4	66
63	Visible-light photocatalysis of PDI nanowires enhanced by plasmonic effect of the gold nanoparticles. *Applied Catalysis B: Environmental*, **2018**, 239, 61-67	21.8	62
62	A Highly Crystalline Perylene Imide Polymer with the Robust Built-In Electric Field for Efficient Photocatalytic Water Oxidation. *Advanced Materials*, **2020**, 32, e1907746	24	60
61	Efficient and stable photocatalytic degradation of tetracycline wastewater by 3D Polyaniline/Perylene diimide organic heterojunction under visible light irradiation. *Chemical Engineering Journal*, **2020**, 397, 125476	14.7	58

60	Surface hybridization effect of C60 molecules on TiO2 and enhancement of the photocatalytic activity. *Journal of Molecular Catalysis A*, **2010**, 331, 7-14		58
59	Enhanced visible-light-induced photocatalytic degradation and disinfection activities of oxidized porous g-C3N4 by loading Ag nanoparticles. *Catalysis Today*, **2019**, 332, 227-235	5.3	57
58	Enhancement of mineralization ability of C3N4via a lower valence position by a tetracyanoquinodimethane organic semiconductor. *Journal of Materials Chemistry A*, **2014**, 2, 11432-11438	13	56
57	Separation-Free Polyaniline/TiO2 3D Hydrogel with High Photocatalytic Activity. *Advanced Materials Interfaces*, **2016**, 3, 1500502	4.6	55
56	Photocatalytic activity and photoelectric performance enhancement for ZnWO4 by fluorine substitution. *Journal of Molecular Catalysis A*, **2011**, 348, 100-105		49
55	Internal electric field engineering for steering photogenerated charge separation and enhancing photoactivity. *EcoMat*, **2019**, 1, e12007	9.4	47
54	Polyoxometalates covalently combined with graphitic carbon nitride for photocatalytic hydrogen peroxide production. *Catalysis Science and Technology*, **2018**, 8, 1686-1695	5.5	46
53	Highly Efficient Organic Photocatalyst with Full Visible Light Spectrum through π-π Stacking of TCNQ-PTCDI. *ACS Applied Materials & Interfaces*, **2016**, 8, 30225-30231	9.5	46
52	Dramatic visible activity in phenol degradation of TCNQ@TiO2 photocatalyst with core–shell structure. *Applied Catalysis B: Environmental*, **2014**, 160-161, 44-50	21.8	46
51	Enhancement of photoelectric catalytic activity of TiO2 film via Polyaniline hybridization. *Journal of Solid State Chemistry*, **2011**, 184, 1433-1438	3.3	46
50	Photocatalytic activity enhancement of PDI supermolecular via π-π action and energy level adjusting with graphene quantum dots. *Applied Catalysis B: Environmental*, **2021**, 281, 119547	21.8	46
49	Synthesis and photoactivity enhancement of ZnWO4 photocatalysts doped with chlorine. *CrystEngComm*, **2012**, 14, 8076	3.3	39
48	Photochemical preparation of atomically dispersed nickel on cadmium sulfide for superior photocatalytic hydrogen evolution. *Applied Catalysis B: Environmental*, **2020**, 261, 118233	21.8	39
47	Ultrathin TiO(B) Nanosheets as the Inductive Agent for Transfrering HO into Superoxide Radicals. *ACS Applied Materials & Interfaces*, **2017**, 9, 15533-15540	9.5	37
46	Photocatalytic and photoelectrochemical properties of in situ carbon hybridized BiPO4 films. *Applied Catalysis A: General*, **2012**, 435-436, 93-98	5.1	37
45	Highly efficient visible photocatalytic disinfection and degradation performances of microtubular nanoporous g-C3N4 via hierarchical construction and defects engineering. *Journal of Materials Science and Technology*, **2020**, 49, 133-143	9.1	36
44	Two-dimensional polymeric carbon nitride: structural engineering for optimizing photocatalysis. *Science China Chemistry*, **2018**, 61, 1205-1213	7.9	36
43	A superior photocatalytic performance of a novel Bi2SiO5 flower-like microsphere via a phase junction. *Nanoscale*, **2014**, 6, 15222-7	7.7	36

42	Self-assembled polymer phenylethnylcopper nanowires for photoelectrochemical and photocatalytic performance under visible light. *Applied Catalysis B: Environmental*, **2018**, 226, 616-623	21.8	34
41	Photocatalysis-self-Fenton system with high-fluent degradation and high mineralization ability. *Applied Catalysis B: Environmental*, **2020**, 276, 119150	21.8	34
40	Perylene diimide anchored graphene 3D structure via □interaction for enhanced photoelectrochemical degradation performances. *Applied Catalysis B: Environmental*, **2020**, 272, 118897	21.8	32
39	Interfacial internal electric field and oxygen vacancies synergistically enhance photocatalytic performance of bismuth oxychloride. *Journal of Hazardous Materials*, **2021**, 402, 123470	12.8	31
38	Supramolecular Zinc Porphyrin Photocatalyst with Strong Reduction Ability and Robust Built-In Electric Field for Highly Efficient Hydrogen Production. *Advanced Energy Materials*, **2021**, 11, 2101392	21.8	29
37	An all-organic 0D/2D supramolecular porphyrin/g-C3N4 heterojunction assembled via □□ interaction for efficient visible photocatalytic oxidation. *Applied Catalysis B: Environmental*, **2021**, 291, 120059	21.8	28
36	Large dipole moment induced efficient bismuth chromate photocatalysts for wide-spectrum driven water oxidation and complete mineralization of pollutants. *National Science Review*, **2020**, 7, 652-659	10.8	27
35	Enhanced visible-light photocatalysis via back-electron transfer from palladium quantum dots to perylene diimide. *Applied Catalysis B: Environmental*, **2018**, 230, 49-57	21.8	26
34	Photocatalytic activity enhanced via surface hybridization **2020**, 2, 308-349		25
33	Thermodynamic and dynamic dual regulation Bi2O2CO3/Bi5O7I enabling high-flux photogenerated charge migration for enhanced visible-light-driven photocatalysis. *Journal of Materials Chemistry A*, **2020**, 8, 10252-10259	13	24
32	A Full-Spectrum Porphyrin-Fullerene D-A Supramolecular Photocatalyst with Giant Built-In Electric Field for Efficient Hydrogen Production. *Advanced Materials*, **2021**, 33, e2101026	24	24
31	TiO @Perylene Diimide Full-Spectrum Photocatalysts via Semi-Core-Shell Structure. *Small*, **2019**, 15, e1903933	13	23
30	Enhanced photocatalytic activity of PTCDI-C60 via □nteraction. *Applied Catalysis B: Environmental*, **2018**, 238, 302-308	21.8	21
29	Construction of Interfacial Electric Field via Dual-Porphyrin Heterostructure Boosting Photocatalytic Hydrogen Evolution. *Advanced Materials*, **2021**, e2106807	24	20
28	Highly-crystalline Triazine-PDI Polymer with an Enhanced Built-in Electric Field for Full-Spectrum Photocatalytic Phenol Mineralization. *Applied Catalysis B: Environmental*, **2021**, 287, 119957	21.8	20
27	Enhanced visible-light photocatalytic degradation and disinfection performance of oxidized nanoporous g-C3N4 via decoration with graphene oxide quantum dots. *Chinese Journal of Catalysis*, **2020**, 41, 474-484	11.3	19
26	An anion exchange strategy for construction of a novel Bi2SiO5/Bi2MoO6 heterostructure with enhanced photocatalytic performance. *Catalysis Science and Technology*, **2018**, 8, 3278-3285	5.5	19
25	Encapsulate □MnO nanofiber within graphene layer to tune surface electronic structure for efficient ozone decomposition. *Nature Communications*, **2021**, 12, 4152	17.4	19

24	TiO2/Al(H2PO4)3 composite film as separation-free and washing-resistance photocatalyst. *Applied Catalysis B: Environmental*, **2017**, 204, 43-48	21.8	18
23	Visible-Light-Promoted Efficient Aerobic Dehydrogenation of N-Heterocycles by a Tiny Organic Semiconductor Under Ambient Conditions. *European Journal of Organic Chemistry*, **2020**, 2020, 1956-1960	3.2	14
22	Photogenerated-hole-induced rapid elimination of solid tumors by the supramolecular porphyrin photocatalyst. *National Science Review*, **2021**, 8, nwaa155	10.8	12
21	Nitrogen-defect induced trap states steering electron-hole migration in graphite carbon nitride. *Applied Catalysis B: Environmental*, **2022**, 306, 121142	21.8	9
20	Research progress on methane conversion coupling photocatalysis and thermocatalysis **2021**, 3, 519-540		9
19	Improving the photocatalytic activity of benzyl alcohol oxidation by Z-scheme SnS/g-C3N4. *New Journal of Chemistry*, **2021**, 45, 6611-6617	3.6	9
18	Graphitic Carbon Nitride for Photoelectrochemical Detection of Environmental Pollutants. *ACS ES&T Engineering*,		8
17	Accurate guided alternating atomic layer enhance internal electric field to steering photogenerated charge separation for enhance photocatalytic activity. *Applied Catalysis B: Environmental*, **2021**, 298, 120536	21.8	8
16	Ultrathin perylene imide nanosheet with fast charge transfer enhances photocatalytic performance. *Applied Catalysis B: Environmental*, **2021**, 298, 120585	21.8	7
15	Controlled Synthesis of Higher Interfacial Electron Transfer Graphite-Like Carbon Nitride/Perylenetetracarboxylic Diimide Heterogeneous for Enhanced Photocatalytic Activity. *Solar Rrl*, **2021**, 5, 2000453	7.1	6
14	Create a strong internal electric-field on PDI photocatalysts for boosting phenols degradation via preferentially exposing □conjugated planes up to 100%. *Applied Catalysis B: Environmental*, **2021**, 300, 120762	21.8	6
13	Photocatalytic production of H2O2 from water and dioxygen only under visible light using organic polymers: Systematic study of the effects of heteroatoms. *Applied Catalysis B: Environmental*, **2021**, 299, 120666	21.8	6
12	Perylenetetracarboxylic acid nanosheets with internal electric fields and anisotropic charge migration for photocatalytic hydrogen evolution.. *Nature Communications*, **2022**, 13, 2067	17.4	6
11	High Photocatalytic Oxygen Evolution via Strong Built-in Electric Field induced by High Crystallinity of Perylene Imide Supramolecule.. *Advanced Materials*, **2022**, e2102354	24	5
10	Electron Donor-Acceptor Interface of TPPS/PDI Boosting Charge Transfer for Efficient Photocatalytic Hydrogen Evolution.. *Advanced Science*, **2022**, e2201134	13.6	5
9	Catalytic activity of porous carbon nitride regulated by polyoxometalates under visible light.. *RSC Advances*, **2020**, 10, 8255-8260	3.7	4
8	Steering Electron□Hole Migration Pathways Using Oxygen Vacancies in Tungsten Oxides to Enhance Their Photocatalytic Oxygen Evolution Performance. *Angewandte Chemie*, **2021**, 133, 8317-8323	3.6	4
7	Double-defect-induced polarization enhanced OV-BiOBr/Cu2□S high-low junction for boosted photoelectrochemical hydrogen evolution. *Applied Catalysis B: Environmental*, **2022**, 314, 121502	21.8	3

6	Unprecedentedly efficient mineralization performance of photocatalysis-self-Fenton system towards organic pollutants over oxygen-doped porous g-C3N4 nanosheets. *Applied Catalysis B: Environmental*, **2022**, 312, 121438	21.8	2
5	Visible-light-promoted aerobic oxidative hydroxylation of arylboronic acids in water by hydrophilic organic semiconductor. *Tetrahedron Letters*, **2020**, 61, 152010	2	1
4	Efficient photothermal degradation on Bi12CoO20 sillenite with a strong internal electric field induced by the thermal effect. *Applied Catalysis B: Environmental*, **2022**, 313, 121452	21.8	1
3	Resin-based photo-self-Fenton system with intensive mineralization by the synergistic effect of holes and hydroxyl radicals. *Applied Catalysis B: Environmental*, **2022**, 315, 121525	21.8	1
2	A 3D/0D cobalt-embedded nitrogen-doped porous carbon/supramolecular porphyrin magnetic-separation photocatalyst with highly efficient pollutant degradation and water oxidation performance. *Journal of Materials Science and Technology*, **2022**, 124, 53-64	9.1	0
1	Highly efficient photocatalytic hydrogen production via porphyrin-fullerene supramolecular photocatalyst with donor-acceptor structure. *Chemical Engineering Journal*, **2022**, 444, 136621	14.7	0