

Xianjun Lang

List of Publications by Year in descending order

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75
papers

6,144
citations

94269

37
h-index

74018

75
g-index

83
all docs

83
docs citations

83
times ranked

5708
citing authors

#	ARTICLE	IF	CITATIONS
1	2D Ti-based metal-organic framework photocatalysis for red light-driven selective aerobic oxidation of sulfides. <i>Chemical Engineering Journal</i> , 2022, 430, 133071.	6.6	28
2	Extending aromatic acids on TiO ₂ for cooperative photocatalysis with triethylamine: Violet light-induced selective aerobic oxidation of sulfides. <i>Chinese Chemical Letters</i> , 2022, 33, 3733-3738.	4.8	21
3	Facile synthesis of 2D covalent organic frameworks for cooperative photocatalysis with TEMPO: The selective aerobic oxidation of benzyl amines. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120846.	10.8	63
4	Selective photocatalytic oxidation of sulfides with dioxygen over carbazole-fluorene conjugated microporous polymers. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 882-892.	5.0	16
5	2D sp ² Carbon-Conjugated Covalent Organic Framework with Pyrene-Ethered TEMPO Intercalation for Photocatalytic Aerobic Oxidation of Sulfides into Sulfoxides. <i>Solar Rrl</i> , 2022, 6, 2100608.	3.1	13
6	Hydrazone-linked 2D porphyrinic covalent organic framework photocatalysis for visible light-driven aerobic oxidation of amines to imines. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 446-454.	5.0	19
7	Embedding an organic dye into Ti-MCM-48 for direct photocatalytic selective aerobic oxidation of sulfides driven by green light. <i>Chemical Engineering Journal</i> , 2022, 432, 134285.	6.6	8
8	Olefin-linked covalent organic framework nanotubes based on triazine for selective oxidation of sulfides with O ₂ powered by blue light. <i>Applied Catalysis B: Environmental</i> , 2022, 305, 121027.	10.8	40
9	Visible light-initiated aerobic oxidation of amines to imines over TiO ₂ microspheres with TEMPO-PF ₆ ⁻ . <i>Sustainable Energy and Fuels</i> , 2022, 6, 894-902.	2.5	5
10	Blue light photocatalysis of carbazole-based conjugated microporous polymers: Aerobic hydroxylation of phenylboronic acids to phenols. <i>Applied Catalysis B: Environmental</i> , 2022, 309, 121210.	10.8	35
11	Triazine-based two dimensional porous materials for visible light-mediated oxidation of sulfides to sulfoxides with O ₂ . <i>Journal of Colloid and Interface Science</i> , 2022, 616, 846-857.	5.0	15
12	Combining Brønsted base and photocatalysis into conjugated microporous polymers: Visible light-induced oxidation of thiols into disulfides with oxygen. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 1045-1053.	5.0	8
13	An azine-linked 2D porphyrinic covalent organic framework for red light photocatalytic oxidative coupling of amines. <i>Materials Today Chemistry</i> , 2022, 25, 100953.	1.7	2
14	Extending the 2D conjugated microporous polymers linked by thiazolo[5,4- <i>d</i>]thiazole for green light-driven selective aerobic oxidation of amines. <i>Journal of Materials Chemistry A</i> , 2022, 10, 14965-14975.	5.2	15
15	Molecular design of dye-TiO ₂ assemblies for green light-induced photocatalytic selective aerobic oxidation of amines. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 826-835.	5.0	17
16	Cooperative TiO ₂ photocatalysis with TEMPO and N-hydroxysuccinimide for blue light-driven selective aerobic oxidation of amines. <i>Chemosphere</i> , 2021, 262, 127873.	4.2	12
17	Designing fluorene-based conjugated microporous polymers for blue light-driven photocatalytic selective oxidation of amines with oxygen. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119796.	10.8	44
18	Two-dimensional crystalline covalent triazine frameworks <i>via</i> dual modulator control for efficient photocatalytic oxidation of sulfides. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16405-16410.	5.2	29

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19	Ti-based metal-organic frameworks for visible light photocatalysis. , 2021, , 561-573.		0
20	Bridging green light photocatalysis over hierarchical Nb ₂ O ₅ for the selective aerobic oxidation of sulfides. Journal of Materials Chemistry A, 2021, 9, 2214-2222.	5.2	28
21	Extending the π -conjugated molecules on TiO ₂ for the selective photocatalytic aerobic oxidation of sulfides triggered by visible light. Sustainable Energy and Fuels, 2021, 5, 2127-2135.	2.5	9
22	Superoxide generated by blue light photocatalysis of g-C ₃ N ₄ /TiO ₂ for selective conversion of amines. Environmental Research, 2021, 195, 110851.	3.7	18
23	Cadmium sulfide/titanate hybrid green light photocatalysis for selective aerobic oxidative homocoupling of amines. Journal of Colloid and Interface Science, 2021, 590, 387-395.	5.0	21
24	Modulating the Stacking Model of Covalent Organic Framework Isomers with Different Generation Efficiencies of Reactive Oxygen Species. ACS Applied Materials & Interfaces, 2021, 13, 29471-29481.	4.0	43
25	Thiazolo[5,4-d]thiazole linked conjugated microporous polymer photocatalysis for selective aerobic oxidation of amines. Journal of Colloid and Interface Science, 2021, 593, 380-389.	5.0	21
26	Cooperative Photocatalysis with 4-Amino-TEMPO for Selective Aerobic Oxidation of Amines over TiO ₂ Nanotubes. Chemistry - an Asian Journal, 2021, 16, 2659-2668.	1.7	5
27	Dye-TiO ₂ /SiO ₂ assembly photocatalysis for blue light-initiated selective aerobic oxidation of organic sulfides. Chemical Engineering Journal, 2021, 423, 129419.	6.6	18
28	Cooperative photocatalysis of dye-TiO ₂ nanotubes with TEMPO+BF ₄ ⁻ for selective aerobic oxidation of amines driven by green light. Applied Catalysis B: Environmental, 2021, 296, 120368.	10.8	21
29	Blue light-powered hydroxynaphthoic acid-titanium dioxide photocatalysis for the selective aerobic oxidation of amines. Journal of Colloid and Interface Science, 2021, 602, 534-543.	5.0	14
30	Anchoring dye onto 1D Nb ₂ O ₅ in cooperation with TEMPO for the selective photocatalytic aerobic oxidation of amines. Chemical Engineering Journal, 2021, 426, 131418.	6.6	15
31	2D sp ² carbon-conjugated triazine covalent organic framework photocatalysis for blue light-induced selective oxidation of sulfides with O ₂ . Applied Catalysis B: Environmental, 2021, 299, 120691.	10.8	48
32	Selective photocatalytic formation of sulfoxides by aerobic oxidation of sulfides over conjugated microporous polymers with thiazolo[5,4-d]thiazole linkage. Applied Catalysis B: Environmental, 2021, 298, 120514.	10.8	36
33	A 2D porphyrin-based covalent organic framework with TEMPO for cooperative photocatalysis in selective aerobic oxidation of sulfides. Materials Chemistry Frontiers, 2021, 5, 2255-2260.	3.2	45
34	Polyimide-TiO ₂ hybrid photocatalysis: Visible light-promoted selective aerobic oxidation of amines. Chemical Engineering Journal, 2020, 379, 122399.	6.6	54
35	TEMPO visible light photocatalysis: The selective aerobic oxidation of thiols to disulfides. Chinese Chemical Letters, 2020, 31, 1520-1524.	4.8	50
36	Titanate nanotube confined merger of organic photocatalysis and TEMPO catalysis for highly selective aerobic oxidation of sulfides. Sustainable Energy and Fuels, 2020, 4, 1754-1763.	2.5	15

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37	Assembling polydopamine on TiO ₂ for visible light photocatalytic selective oxidation of sulfides with aerial O ₂ . Chemical Engineering Journal, 2020, 392, 123632.	6.6	43
38	2D and 3D Porphyrinic Covalent Organic Frameworks: The Influence of Dimensionality on Functionality. Angewandte Chemie - International Edition, 2020, 59, 3624-3629.	7.2	227
39	2D and 3D Porphyrinic Covalent Organic Frameworks: The Influence of Dimensionality on Functionality. Angewandte Chemie, 2020, 132, 3653-3658.	1.6	45
40	Visible-light photocatalytic selective aerobic oxidation of thiols to disulfides on anatase TiO ₂ . Chinese Journal of Catalysis, 2020, 41, 1468-1473.	6.9	42
41	2D sp ² Carbon-Conjugated Porphyrin Covalent Organic Framework for Cooperative Photocatalysis with TEMPO. Angewandte Chemie - International Edition, 2020, 59, 9088-9093.	7.2	212
42	2D sp ² Carbon-Conjugated Porphyrin Covalent Organic Framework for Cooperative Photocatalysis with TEMPO. Angewandte Chemie, 2020, 132, 9173-9178.	1.6	17
43	Cooperative smart TiO ₂ photocatalysis and TEMPO catalysis: Visible light-mediated selective aerobic oxidation of amines. Journal of Chemical Physics, 2020, 152, 044705.	1.2	6
44	Selective aerobic oxidation of sulfides by cooperative polyimide-titanium dioxide photocatalysis and triethylamine catalysis. Journal of Colloid and Interface Science, 2020, 565, 614-622.	5.0	32
45	Antraquinones as photoredox active ligands of TiO ₂ for selective aerobic oxidation of organic sulfides. Applied Catalysis B: Environmental, 2019, 259, 118038.	10.8	46
46	Phenol-TiO ₂ complex photocatalysis: visible light-driven selective oxidation of amines into imines in air. Sustainable Energy and Fuels, 2019, 3, 488-498.	2.5	45
47	Cooperative photocatalytic selective aerobic oxidation of alcohols on anatase TiO ₂ . Sustainable Energy and Fuels, 2019, 3, 1701-1712.	2.5	20
48	Designed Synthesis of a 2D Porphyrin-Based sp ² Carbon-Conjugated Covalent Organic Framework for Heterogeneous Photocatalysis. Angewandte Chemie - International Edition, 2019, 58, 6430-6434.	7.2	470
49	Designed Synthesis of a 2D Porphyrin-Based sp ² Carbon-Conjugated Covalent Organic Framework for Heterogeneous Photocatalysis. Angewandte Chemie, 2019, 131, 6496-6500.	1.6	67
50	Metal Sulfide Photocatalysis: Visible-Light-Induced Organic Transformations. ChemCatChem, 2019, 11, 1378-1393.	1.8	115
51	N-hydroxyphthalimide-TiO ₂ complex visible light photocatalysis. Applied Catalysis B: Environmental, 2019, 246, 149-155.	10.8	71
52	Visible light photocatalytic aerobic oxidative synthesis of imines from alcohols and amines on dye-sensitized TiO ₂ . Catalysis Today, 2019, 335, 128-135.	2.2	18
53	Salicylic acid complexed with TiO ₂ for visible light-driven selective oxidation of amines into imines with air. Applied Catalysis B: Environmental, 2019, 244, 758-766.	10.8	54
54	Integrating TEMPO and Its Analogues with Visible-Light Photocatalysis. Chemistry - an Asian Journal, 2018, 13, 599-613.	1.7	52

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55	Visible light-induced selective oxidation of alcohols with air by dye-sensitized TiO ₂ photocatalysis. Applied Catalysis B: Environmental, 2018, 232, 260-267.	10.8	117
56	Visible light photocatalysis of dye-sensitized TiO ₂ : The selective aerobic oxidation of amines to imines. Applied Catalysis B: Environmental, 2018, 224, 404-409.	10.8	136
57	Merging the catechol-TiO ₂ complex photocatalyst with TEMPO for selective aerobic oxidation of amines into imines. Catalysis Science and Technology, 2018, 8, 3910-3917.	2.1	38
58	Improving the Visible Light Photocatalytic Aerobic Oxidation of Sulfides into Sulfoxides on Dye-Sensitized TiO ₂ . ChemCatChem, 2018, 10, 4545-4554.	1.8	45
59	Al ₂ O ₃ Surface Complexation for Photocatalytic Organic Transformations. Journal of the American Chemical Society, 2017, 139, 269-276.	6.6	64
60	Merging visible light photocatalysis of dye-sensitized TiO ₂ with TEMPO: the selective aerobic oxidation of alcohols. Catalysis Science and Technology, 2017, 7, 4955-4963.	2.1	57
61	Cooperative photoredox catalysis. Chemical Society Reviews, 2016, 45, 3026-3038.	18.7	350
62	Visible-Light-Induced Photoredox Catalysis of Dye-Sensitized Titanium Dioxide: Selective Aerobic Oxidation of Organic Sulfides. Angewandte Chemie, 2016, 128, 4775-4778.	1.6	147
63	Visible-Light-Induced Photoredox Catalysis of Dye-Sensitized Titanium Dioxide: Selective Aerobic Oxidation of Organic Sulfides. Angewandte Chemie - International Edition, 2016, 55, 4697-4700.	7.2	222
64	Oxygen-atom transfer in titanium dioxide photoredox catalysis for organic synthesis. Photochemistry, 2016, , 364-384.	0.2	1
65	Tertiary amine mediated aerobic oxidation of sulfides into sulfoxides by visible-light photoredox catalysis on TiO ₂ . Chemical Science, 2015, 6, 5000-5005.	3.7	89
66	Synergistic photocatalytic aerobic oxidation of sulfides and amines on TiO ₂ under visible-light irradiation. Chemical Science, 2015, 6, 1075-1082.	3.7	87
67	Aerobic Oxidation of Alcohols on Au Nanocatalyst: Insight to the Roles of the Ni-Al Layered Double Hydroxides Support. ChemCatChem, 2014, 6, 1737-1747.	1.8	37
68	Heterogeneous visible light photocatalysis for selective organic transformations. Chemical Society Reviews, 2014, 43, 473-486.	18.7	1,286
69	Selective Aerobic Oxidation Mediated by TiO ₂ Photocatalysis. Accounts of Chemical Research, 2014, 47, 355-363.	7.6	252
70	UV-Assisted Removal of Inactive Peroxide Species for Sustained Epoxidation of Cyclooctene on Anatase TiO ₂ . Chemistry - A European Journal, 2014, 20, 6277-6282.	1.7	5
71	Selective aerobic oxidation of amines to imines by TiO ₂ photocatalysis in water. Chemical Communications, 2013, 49, 5034.	2.2	96
72	Visible-Light-Induced Selective Photocatalytic Aerobic Oxidation of Amines into Imines on TiO ₂ . Chemistry - A European Journal, 2012, 18, 2624-2631.	1.7	182

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73	Selective Formation of Imines by Aerobic Photocatalytic Oxidation of Amines on TiO ₂ . Angewandte Chemie - International Edition, 2011, 50, 3934-3937.	7.2	396
74	[Pt(PW ₁₂ O ₄₀) ³⁻] ³⁻ Immobilized on Ionic Liquid-Modified Polymer as a Heterogeneous Catalyst for Alcohol Oxidation with Hydrogen Peroxide. Synthetic Communications, 2008, 38, 1610-1616.	1.1	33
75	Crystallization and Preliminary X-Ray Diffraction Analysis of Three Mastoparans. Protein and Peptide Letters, 2006, 13, 629-631.	0.4	3