Xuning Li

List of Publications by Citations

44 papers	3,079 citations	27 h-index	46 g-index
46 ext. papers	4,155 ext. citations	11 avg, IF	5.55 L-index

#	Paper	IF	Citations
44	Single Cobalt Atoms Anchored on Porous N-Doped Graphene with Dual Reaction Sites for Efficient Fenton-like Catalysis. *Journal of the American Chemical Society*, **2018**, 140, 12469-12475	16.4	551
43	Fe Co3O4 nanocages derived from nanoscale metal-organic frameworks for removal of bisphenol A by activation of peroxymonosulfate. *Applied Catalysis B: Environmental*, **2016**, 181, 788-799	21.8	285
42	Elucidating the Electrocatalytic CO Reduction Reaction over a Model Single-Atom Nickel Catalyst. *Angewandte Chemie - International Edition*, **2020**, 59, 798-803	16.4	187
41	Identifying Active Sites of Nitrogen-Doped Carbon Materials for the CO2 Reduction Reaction. *Advanced Functional Materials*, **2018**, 28, 1800499	15.6	179
40	Topotactic Transformation of Metal-Organic Frameworks to Graphene-Encapsulated Transition-Metal Nitrides as Efficient Fenton-like Catalysts. *ACS Nano*, **2016**, 10, 11532-11540	16.7	174
39	In Situ/Operando Techniques for Characterization of Single-Atom Catalysts. *ACS Catalysis*, **2019**, 9, 2521-2531	13	173
38	Excellent photo-Fenton catalysts of Fe-Co Prussian blue analogues and their reaction mechanism study. *Applied Catalysis B: Environmental*, **2015**, 179, 196-205	21.8	153
37	Supported Noble-Metal Single Atoms for Heterogeneous Catalysis. *Advanced Materials*, **2019**, 31, e1902031	21	115
36	Boosting Fenton-Like Reactions via Single Atom Fe Catalysis. *Environmental Science & Technology*, **2019**, 53, 11391-11400	10.3	105
35	In Situ/Operando Characterization Techniques to Probe the Electrochemical Reactions for Energy Conversion. *Small Methods*, **2018**, 2, 1700395	12.8	90
34	Direct Growth of Carbon Nanotubes Doped with Single Atomic Fe-N4 Active Sites and Neighboring Graphitic Nitrogen for Efficient and Stable Oxygen Reduction Electrocatalysis. *Advanced Functional Materials*, **2019**, 29, 1906174	15.6	89
33	Microenvironment modulation of single-atom catalysts and their roles in electrochemical energy conversion. *Science Advances*, **2020**, 6,	14.3	86
32	Identification of the Electronic and Structural Dynamics of Catalytic Centers in Single-Fe-Atom Material. *CheM*, **2020**, 6, 3440-3454	16.2	79
31	Prussian blue/TiO2 nanocomposites as a heterogeneous photo-Fenton catalyst for degradation of organic pollutants in water. *Catalysis Science and Technology*, **2015**, 5, 504-514	5.5	67
30	Unique role of Mössbauer spectroscopy in assessing structural features of heterogeneous catalysts. *Applied Catalysis B: Environmental*, **2018**, 224, 518-532	21.8	58
29	Atomic-scale topochemical preparation of crystalline Fe3+-doped α-Ni(OH)2 for an ultrahigh-rate oxygen evolution reaction. *Journal of Materials Chemistry A*, **2017**, 5, 7753-7758	13	57
28	Graphene encapsulated FexCoy nanocages derived from metal-organic frameworks as efficient activators for peroxymonosulfate. *Catalysis Science and Technology*, **2016**, 6, 7486-7494	5.5	54

27	A "copolymer-co-morphology" conception for shape-controlled synthesis of Prussian blue analogues and as-derived spinel oxides. *Nanoscale*, **2016**, 8, 2333-42	7.7	47
26	Oxygen evolution reaction over Fe site of BaZr x Fe 1-x O 3- perovskite oxides. *Electrochimica Acta* , **2017**, 241, 433-439	6.7	43
25	Facile synthesis of iron oxide coupled and doped titania nanocomposites: tuning of physicochemical and photocatalytic properties. *RSC Advances*, **2016**, 6, 72791-72802	3.7	37
24	Zinc-modulated Fe Co Prussian blue analogues with well-controlled morphologies for the efficient sorption of cesium. *Journal of Materials Chemistry A*, **2017**, 5, 3284-3292	13	36
23	A Co-Fe Prussian blue analogue for efficient Fenton-like catalysis: the effect of high-spin cobalt. *Chemical Communications*, **2019**, 55, 7151-7154	5.8	34
22	Enhancement of oxygen evolution performance through synergetic action between NiFe metal core and NiFeO shell. *Chemical Communications*, **2016**, 52, 11803-11806	5.8	34
21	Catalyst: Single-Atom Catalysis: Directing the Way toward the Nature of Catalysis. *CheM*, **2019**, 5, 2733-2735	16.2	34
20	Effect of structural defects on activated carbon catalysts in catalytic wet peroxide oxidation of m-cresol. *Catalysis Today*, **2015**, 258, 120-131	5.3	32
19	Layered Fe-Substituted LiNiO2 Electrocatalysts for High-Efficiency Oxygen Evolution Reaction. *ACS Energy Letters*, **2017**, 2, 1654-1660	20.1	31
18	A Fe-N-C catalyst with highly dispersed iron in carbon for oxygen reduction reaction and its application in direct methanol fuel cells. *Chinese Journal of Catalysis*, **2016**, 37, 539-548	11.3	31
17	Amorphous Multimetal Alloy Oxygen Evolving Catalysts **2020**, 2, 624-632		25
16	Shape-Controlled Synthesis of Metal-Organic Frameworks with Adjustable Fenton-Like Catalytic Activity. *ACS Applied Materials & Interfaces*, **2018**, 10, 38051-38056	9.5	24
15	Influence of Fe(III) doping on the crystal structure and properties of hydrothermally prepared Ni(OH)2 nanostructures. *Journal of Alloys and Compounds*, **2018**, 750, 687-695	5.7	22
14	Hydrazine drastically promoted Fenton oxidation of bisphenol A catalysed by a FeIII Co Prussian blue analogue. *Catalysis Communications*, **2016**, 77, 32-36	3.2	22
13	Surface modification of sewage sludge derived carbonaceous catalyst for m-cresol catalytic wet peroxide oxidation and degradation mechanism. *RSC Advances*, **2015**, 5, 41867-41876	3.7	22
12	Elucidating the Electrocatalytic CO2 Reduction Reaction over a Model Single-Atom Nickel Catalyst. *Angewandte Chemie*, **2020**, 132, 808-813	3.6	22
11	Promotional effect of Mn-doping on the structure and performance of spinel ferrite microspheres for CO hydrogenation. *Journal of Catalysis*, **2020**, 381, 150-162	7.3	20
10	Exploring the Reaction Paths in the Consecutive Fe-Based FT Catalyst Zeolite Process for Syngas Conversion. *ACS Catalysis*, **2020**, 10, 3797-3806	13.1	14

9	Unveiling the In Situ Generation of a Monovalent Fe(I) Site in the Single-Fe-Atom Catalyst for Electrochemical CO2 Reduction. *ACS Catalysis*, **2021**, 11, 7292-7301	13.1	14
8	Topotactically constructed nickel–iron (oxy)hydroxide with abundant in-situ produced high-valent iron species for efficient water oxidation. *Journal of Energy Chemistry*, **2021**, 57, 212-218	12	11
7	Crystal structure refinement of the electron-transfer-active potassium manganese hexacyanoferrates and isomorphous potassium manganese hexacyanocobaltates. *Journal of Solid State Chemistry*, **2015**, 227, 35-44	3.3	7
6	In situ/operando Mössbauer spectroscopy for probing heterogeneous catalysis. *Chem Catalysis*, **2021**, 1, 1215-1215		4
5	Mechanistic understanding and design of non-noble metal-based single-atom catalysts supported on two-dimensional materials for CO2 electroreduction. *Journal of Materials Chemistry A*,	13	2
4	Fe-N-C Catalysts: Direct Growth of Carbon Nanotubes Doped with Single Atomic FeN4 Active Sites and Neighboring Graphitic Nitrogen for Efficient and Stable Oxygen Reduction Electrocatalysis (Adv. Funct. Mater. 49/2019). *Advanced Functional Materials*, **2019**, 29, 1970332	15.6	2
3	Synthesis and Properties of Ni-doped Goethite and Ni-doped Hematite Nanorods. *Croatica Chemica Acta*, **2018**, 91,	0.8	2
2	Innentitelbild: Elucidating the Electrocatalytic CO2 Reduction Reaction over a Model Single-Atom Nickel Catalyst (Angew. Chem. 2/2020). *Angewandte Chemie*, **2020**, 132, 518-518	3.6	1
1	A novel Zn-Al spinel-alumina composite supported gold catalyst for efficient CO oxidation. *Chemical Communications*, **2021**, 57, 10335-10338	5.8	0