

# Shusheng Xu

## List of Publications by Year in descending order

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30  
papers

1,867  
citations

361413

20  
h-index

454955

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

2891  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on Graphene-Based Gas/Vapor Sensors with Unique Properties and Potential Applications. Nano-Micro Letters, 2016, 8, 95-119.	27.0	491
2	One-step electrodeposition of nickel cobalt sulfide nanosheets on Ni nanowire film for hybrid supercapacitor. Electrochimica Acta, 2018, 259, 617-625.	5.2	104
3	Construction of MoS <sub>2</sub> /SnO <sub>2</sub> heterostructures for sensitive NO <sub>2</sub> detection at room temperature. Applied Surface Science, 2019, 493, 613-619.	6.1	104
4	Rational design of sandwiched polyaniline nanotube/layered graphene/polyaniline nanotube papers for high-volumetric supercapacitors. Chemical Engineering Journal, 2017, 309, 89-97.	12.7	102
5	Morphology Control and Photocatalysis Enhancement by in Situ Hybridization of Cuprous Oxide with Nitrogen-Doped Carbon Quantum Dots. Langmuir, 2016, 32, 9418-9427.	3.5	86
6	Two-dimensional NiO nanosheets with enhanced room temperature NO <sub>2</sub> sensing performance via Al doping. Physical Chemistry Chemical Physics, 2017, 19, 19043-19049.	2.8	86
7	Nanofoaming to Boost the Electrochemical Performance of Ni@Ni(OH) <sub>2</sub> Nanowires for Ultrahigh Volumetric Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 27868-27876.	8.0	82
8	Template-controlled in-situ growing of NiCo-MOF nanosheets on Ni foam with mixed linkers for high performance asymmetric supercapacitors. Applied Surface Science, 2022, 572, 151344.	6.1	80
9	A dual CoNi MOF nanosheet/nanotube assembled on carbon cloth for high performance hybrid supercapacitors. Electrochimica Acta, 2020, 342, 136124.	5.2	77
10	Hydrophilic and blue fluorescent N-doped carbon dots from tartaric acid and various alkylol amines under microwave irradiation. Nanoscale, 2015, 7, 15915-15923.	5.6	70
11	Microwave formation and photoluminescence mechanisms of multi-states nitrogen doped carbon dots. Applied Surface Science, 2017, 422, 257-265.	6.1	70
12	Cobalt Doping To Boost the Electrochemical Properties of Ni@Ni <sub>3</sub> S <sub>2</sub> Nanowire Films for High-Performance Supercapacitors. ChemSusChem, 2017, 10, 4056-4065.	6.8	61
13	Defect-Engineered NiCo-S Composite as a Bifunctional Electrode for High-Performance Supercapacitor and Electrocatalysis. ACS Applied Materials & Interfaces, 2021, 13, 47717-47727.	8.0	61
14	Hierarchical CoNi <sub>2</sub> S <sub>4</sub> nanosheet/nanotube array structure on carbon fiber cloth for high-performance hybrid supercapacitors. Electrochimica Acta, 2019, 305, 81-89.	5.2	54
15	Gold nanobipyramid@cuprous oxide jujube-like nanostructures for plasmon-enhanced photocatalytic performance. Applied Catalysis B: Environmental, 2018, 234, 26-36.	20.2	52
16	Bi-metal organic framework nanosheets assembled on nickel wire films for volumetric-energy-dense supercapacitors. Journal of Power Sources, 2019, 423, 80-89.	7.8	50
17	Highly sensitive NO <sub>2</sub> gas sensors based on hexagonal SnS <sub>2</sub> nanoplates operating at room temperature. Nanotechnology, 2020, 31, 075501.	2.6	30
18	A novel Ni@Ni(OH) <sub>2</sub> coaxial core-sheath nanowire membrane for electrochemical energy storage electrodes with high volumetric capacity and excellent rate capability. Electrochimica Acta, 2015, 182, 464-473.	5.2	28

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19	Microwave preparation and remarkable ethanol sensing properties of ZnO particles with controlled morphologies in water-ethylene glycol binary solvent system. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1006-1014.	7.8	28
20	In situ preparation of magnetic Ni-Au/graphene nanocomposites with electron-enhanced catalytic performance. <i>Journal of Alloys and Compounds</i> , 2017, 706, 377-386.	5.5	27
21	Interface engineered hollow Co <sub>3</sub> O <sub>4</sub> @CoNi <sub>2</sub> S <sub>4</sub> nanostructure for high efficiency supercapacitor and hydrogen evolution. <i>Electrochimica Acta</i> , 2022, 412, 140139.	5.2	25
22	The Application of Metal-Organic Frameworks and Their Derivatives for Supercapacitors. <i>Nanomaterials</i> , 2020, 10, 2268.	4.1	21
23	Impact of linker functionalization on the adsorption of nitrogen-containing compounds in HKUST-1. <i>Dalton Transactions</i> , 2020, 49, 12610-12621.	3.3	16
24	Electronically regulated FeOOH/c-NiMoO <sub>4</sub> with hierarchical sandwich structure as efficient electrode for oxygen evolution and hybrid supercapacitors. <i>Electrochimica Acta</i> , 2022, 427, 140884.	5.2	12
25	Hierarchical heterostructures based on prickly Ni nanowires/Cu <sub>2</sub> O nanoparticles with enhanced photocatalytic activity. <i>Dalton Transactions</i> , 2016, 45, 7258-7266.	3.3	11
26	Carbon coating on metal oxide materials for electrochemical energy storage. <i>Nanotechnology</i> , 2021, 32, 502004.	2.6	10
27	Atomic structures and electronic properties of Ni or N modified Cu/diamond interface. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 225001.	1.8	9
28	Single-metal-atom catalysts supported on graphdiyne catalyze CO oxidation. <i>Dalton Transactions</i> , 2021, 50, 10867-10879.	3.3	8
29	The surface structure, stability, and catalytic performances toward O <sub>2</sub> reduction of CoP and FeCoP <sub>2</sub> . <i>Dalton Transactions</i> , 2022, 51, 10420-10431.	3.3	7
30	In situ coating nickel organic complexes on free-standing nickel wire films for volumetric-energy-dense supercapacitors. <i>Nanotechnology</i> , 2018, 29, 275401.	2.6	5