

Su Chen

List of Publications by Year in descending order

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94433

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times ranked

4337
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Artificial Neuron-Like Gas Sensor Constructed from CuS Quantum Dots/Bi ₂ S ₃ Nanosheets. Nano-Micro Letters, 2022, 14, 8.	27.0	53
2	Fast and recoverable NO ₂ detection achieved by assembling ZnO on Ti ₃ C ₂ T _x MXene nanosheets under UV illumination at room temperature. Nanoscale, 2022, 14, 3441-3451.	5.6	65
3	Highly sensitive sensor based on ordered porous ZnO nanosheets for ethanol detecting application. Sensors and Actuators B: Chemical, 2021, 326, 128952.	7.8	82
4	Glucose-assisted synthesis of hierarchical NiO-ZnO heterostructure with enhanced glycol gas sensing performance. Sensors and Actuators B: Chemical, 2021, 329, 129167.	7.8	56
5	Hierarchical WS ₂ /WO ₃ Nanohybrids with N Heterojunctions for NO ₂ Detection. ACS Applied Nano Materials, 2021, 4, 1626-1634.	5.0	56
6	Carbon Foam Fibers with a Concentric Tube/Core/Three-Dimensional Nanosheet/Shell Structure for High-Performance Lithium-Sulfur Batteries. ChemElectroChem, 2021, 8, 873-879.	3.4	4
7	Yolk-Shelled Gold@Cuprous Oxide Nanostructures with Hot Carriers Boosting Photocatalytic Performance. Langmuir, 2021, 37, 4578-4586.	3.5	8
8	Design of p heterojunctions based on CuO decorated WS ₂ nanosheets for sensitive NH ₃ gas sensing at room temperature. Nanotechnology, 2021, 32, 445502.	2.6	48
9	Free-standing films based on Ni wires core/foamed NiO shell as hosts for stable lithium anodes. Journal of Power Sources, 2021, 506, 230161.	7.8	6
10	Wearable NO ₂ sensing and wireless application based on ZnS nanoparticles/nitrogen-doped reduced graphene oxide. Sensors and Actuators B: Chemical, 2021, 345, 130423.	7.8	44
11	Highly sensitive and recoverable room-temperature NO ₂ gas detection realized by 2D/0D MoS ₂ /ZnS heterostructures with synergistic effects. Sensors and Actuators B: Chemical, 2021, 347, 130608.	7.8	50
12	Controllable synthesis of heterostructured CuO/NiO nanotubes and their synergistic effect for glycol gas sensing. Sensors and Actuators B: Chemical, 2020, 304, 127347.	7.8	87
13	Two-dimensional Cd-doped porous Co ₃ O ₄ nanosheets for enhanced room-temperature NO ₂ sensing performance. Sensors and Actuators B: Chemical, 2020, 305, 127393.	7.8	87
14	Sonochemical synthesis of hierarchical WO ₃ flower-like spheres for highly efficient triethylamine detection. Sensors and Actuators B: Chemical, 2020, 306, 127536.	7.8	75
15	Non-woven fabric electrodes based on graphene-based fibers for areal-energy-dense flexible solid-state supercapacitors. Chemical Engineering Journal, 2020, 392, 123692.	12.7	48
16	Enhanced dimethyl methylphosphonate detection based on two-dimensional WSe ₂ nanosheets at room temperature. Analyst, The, 2020, 145, 8059-8067.	3.5	21
17	A Z-scheme photocatalyst for enhanced photocatalytic H ₂ evolution, constructed by growth of 2D plasmonic MoO _{3-x} nanoplates onto 2D g-C ₃ N ₄ nanosheets. Journal of Colloid and Interface Science, 2020, 567, 213-223.	9.4	77
18	Enhancing room-temperature NO ₂ detection of cobalt phthalocyanine based gas sensor at an ultralow laser exposure. Physical Chemistry Chemical Physics, 2020, 22, 18499-18506.	2.8	14

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19	Innovative development on a p-type delafossite CuCrO ₂ nanoparticles based triethylamine sensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 324, 128743.	7.8	29
20	Ag-Modified 3D Reduced Graphene Oxide Aerogel-Based Sensor with an Embedded Microheater for a Fast Response and High-Sensitive Detection of NO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25243-25252.	8.0	56
21	A dual CoNi MOF nanosheet/nanotube assembled on carbon cloth for high performance hybrid supercapacitors. <i>Electrochimica Acta</i> , 2020, 342, 136124.	5.2	77
22	Scalable synthesis of Fe^{3+} -Fe ₂ O ₃ /CNT composite as high-performance anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 770, 116-124.	5.5	47
23	Construction of MoS ₂ /SnO ₂ heterostructures for sensitive NO ₂ detection at room temperature. <i>Applied Surface Science</i> , 2019, 493, 613-619.	6.1	104
24	Laser-induced bi-metal sulfide/graphene nanoribbon hybrid frameworks for high-performance all-in-one fiber supercapacitors. <i>Journal of Power Sources</i> , 2019, 438, 227044.	7.8	32
25	Ultrasensitive room temperature NO ₂ sensors based on liquid phase exfoliated WSe ₂ nanosheets. <i>Sensors and Actuators B: Chemical</i> , 2019, 300, 127013.	7.8	93
26	Interface engineered WS ₂ /ZnS heterostructures for sensitive and reversible NO ₂ room temperature sensing. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126666.	7.8	98
27	Controllable synthesis of crescent-shaped porous NiO nanoplates for conductometric ethanol gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126642.	7.8	74
28	Hierarchical CoNi ₂ S ₄ nanosheet/nanotube array structure on carbon fiber cloth for high-performance hybrid supercapacitors. <i>Electrochimica Acta</i> , 2019, 305, 81-89.	5.2	54
29	Glucose-assisted synthesis of hierarchical flower-like Co ₃ O ₄ nanostructures assembled by porous nanosheets for enhanced acetone sensing. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 699-706.	7.8	66
30	Bi-metal organic framework nanosheets assembled on nickel wire films for volumetric-energy-dense supercapacitors. <i>Journal of Power Sources</i> , 2019, 423, 80-89.	7.8	50
31	All-organic covalent organic framework/polyaniline composites as stable electrode for high-performance supercapacitors. <i>Materials Letters</i> , 2019, 236, 354-357.	2.6	68
32	Gold nanobipyramid@cuprous oxide jujube-like nanostructures for plasmon-enhanced photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 26-36.	20.2	52
33	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
34	Enhanced formaldehyde detection based on Ni doping of SnO ₂ nanoparticles by one-step synthesis. <i>Sensors and Actuators B: Chemical</i> , 2018, 263, 120-128.	7.8	107
35	Light-assisted recovery for a highly-sensitive NO ₂ sensor based on RGO-CeO ₂ hybrids. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 119-129.	7.8	82
36	Understanding the roles of plasmonic Au nanocrystal size, shape, aspect ratio and loading amount in Au/g-C ₃ N ₄ hybrid nanostructures for photocatalytic hydrogen generation. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22296-22307.	2.8	57

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37	Two-dimensional NiO nanosheets with enhanced room temperature NO ₂ sensing performance via Al doping. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19043-19049.	2.8	86
38	Three-dimensional chemically reduced graphene oxide templated by silica spheres for ammonia sensing. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 956-964.	7.8	55
39	One-step synthesis of 2D C ₃ N ₄ -tin oxide gas sensors for enhanced acetone vapor detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 641-651.	7.8	74
40	Three-dimensional conductive networks based on stacked SiO ₂ @graphene frameworks for enhanced gas sensing. <i>Nanoscale</i> , 2017, 9, 109-118.	5.6	117
41	Three-dimensional skeleton networks of graphene wrapped polyaniline nanofibers: an excellent structure for high-performance flexible solid-state supercapacitors. <i>Scientific Reports</i> , 2016, 6, 19777.	3.3	115
42	A Review on Graphene-Based Gas/Vapor Sensors with Unique Properties and Potential Applications. <i>Nano-Micro Letters</i> , 2016, 8, 95-119.	27.0	491
43	Reduced graphene oxide/polypyrrole nanotube papers for flexible all-solid-state supercapacitors with excellent rate capability and high energy density. <i>Journal of Power Sources</i> , 2016, 302, 39-45.	7.8	176
44	ZnO Nanowire-Reduced Graphene Oxide Hybrid Based Portable NH ₃ Gas Sensing Electron Device. <i>IEEE Electron Device Letters</i> , 2015, 36, 1376-1379.	3.9	80
45	A novel Ni@Ni(OH) ₂ coaxial core-sheath nanowire membrane for electrochemical energy storage electrodes with high volumetric capacity and excellent rate capability. <i>Electrochimica Acta</i> , 2015, 182, 464-473.	5.2	28
46	Ultrafast and sensitive room temperature NH ₃ gas sensors based on chemically reduced graphene oxide. <i>Nanotechnology</i> , 2014, 25, 025502.	2.6	233
47	Large-scale synthesis of few-walled carbon nanotubes by DC arc discharge in low-pressure flowing air. <i>Materials Research Bulletin</i> , 2013, 48, 3232-3235.	5.2	27