Su Chen

List of Publications by Year
in descending order

47 papers	3,514 citations	94433 37 h-index	214800 47 g-index
47 all docs	47 docs citations	47 times ranked	4337 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	Ultrafast and sensitive room temperature NH_3 gas sensors based on chemically reduced graphene oxide. Nanotechnology, 2014, 25, 025502.	2.6	233
3	Reduced graphene oxide/polypyrrole nanotube papers for flexible all-solid-state supercapacitors with excellent rate capability and high energy density. Journal of Power Sources, 2016, 302, 39-45.	7.8	176
4	Three-dimensional conductive networks based on stacked SiO_2@graphene frameworks for enhanced gas sensing. Nanoscale, 2017, 9, 109-118.	5.6	117
5	Three-dimensional skeleton networks of graphene wrapped polyaniline nanofibers: an excellent structure for high-performance flexible solid-state supercapacitors. Scientific Reports, 2016, 6, 19777.	3.3	115
6	Enhanced formaldehyde detection based on Ni doping of SnO 2 nanoparticles by one-step synthesis. Sensors and Actuators B: Chemical, 2018, 263, 120-128.	7.8	107
7	Construction of MoS2/SnO2 heterostructures for sensitive NO2 detection at room temperature. Applied Surface Science, 2019, 493, 613-619.	6.1	104
8	Interface engineered WS2/ZnS heterostructures for sensitive and reversible NO2 room temperature sensing. Sensors and Actuators B: Chemical, 2019, 296, 126666.	7.8	98
9	Ultrasensitive room temperature NO2 sensors based on liquid phase exfoliated WSe2 nanosheets. Sensors and Actuators B: Chemical, 2019, 300, 127013.	7.8	93
10	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
11	Two-dimensional Cd-doped porous Co3O4 nanosheets for enhanced room-temperature NO2 sensing performance. Sensors and Actuators B: Chemical, 2020, 305, 127393.	7.8	87
12	Two-dimensional NiO nanosheets with enhanced room temperature NO_2 sensing performance via Al doping. Physical Chemistry Chemical Physics, 2017, 19, 19043-19049.	2.8	86
13	Light-assisted recovery for a highly-sensitive NO2 sensor based on RGO-CeO2 hybrids. Sensors and Actuators B: Chemical, 2018, 270, 119-129.	7.8	82
14	Highly sensitive sensor based on ordered porous ZnO nanosheets for ethanol detecting application. Sensors and Actuators B: Chemical, 2021, 326, 128952.	7.8	82
15	ZnO Nanowire-Reduced Graphene Oxide Hybrid Based Portable NH$_3$ Gas Sensing Electron Device. IEEE Electron Device Letters, 2015, 36, 1376-1379.	3.9	80
16	A Z-scheme photocatalyst for enhanced photocatalytic H2 evolution, constructed by growth of 2D plasmonic MoO3-x nanoplates onto 2D g-C3N4 nanosheets. Journal of Colloid and Interface Science, 2020, 567, 213-223.	9.4	77
17	A dual CoNi MOF nanosheet/nanotube assembled on carbon cloth for high performance hybrid supercapacitors. Electrochimica Acta, 2020, 342, 136124.	5.2	77
18	Sonochemical synthesis of hierarchical WO3 flower-like spheres for highly efficient triethylamine detection. Sensors and Actuators B: Chemical, 2020, 306, 127536.	7.8	75

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19	One-step synthesis of 2D C3N4-tin oxide gas sensors for enhanced acetone vapor detection. Sensors and Actuators B: Chemical, 2017, 253, 641-651.	7.8	74
20	Controllable synthesis of crescent-shaped porous NiO nanoplates for conductometric ethanol gas sensors. Sensors and Actuators B: Chemical, 2019, 296, 126642.	7.8	74
21	All-organic covalent organic framework/polyaniline composites as stable electrode for high-performance supercapacitors. Materials Letters, 2019, 236, 354-357.	2.6	68
22	Glucose-assisted synthesis of hierarchical flower-like Co3O4 nanostructures assembled by porous nanosheets for enhanced acetone sensing. Sensors and Actuators B: Chemical, 2019, 288, 699-706.	7.8	66
23	Fast and recoverable NO_2 detection achieved by assembling ZnO on $Ti_3C_2T_x$ MXene nanosheets under UV illumination at room temperature. Nanoscale, 2022, 14, 3441-3451.	5.6	65
24	Understanding the roles of plasmonic Au nanocrystal size, shape, aspect ratio and loading amount in Au/g-C_3N_4 hybrid nanostructures for photocatalytic hydrogen generation. Physical Chemistry Chemical Physics, 2018, 20, 22296-22307.	2.8	57
25	Ag-Modified 3D Reduced Graphene Oxide Aerogel-Based Sensor with an Embedded Microheater for a Fast Response and High-Sensitive Detection of NO_2. ACS Applied Materials & Interfaces, 2020, 12, 25243-25252.	8.0	56
26	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
27	Hierarchical WS_2–WO_3 Nanohybrids with P–N Heterojunctions for NO_2 Detection. ACS Applied Nano Materials, 2021, 4, 1626-1634.	5.0	56
28	Three-dimensional chemically reduced graphene oxide templated by silica spheres for ammonia sensing. Sensors and Actuators B: Chemical, 2017, 252, 956-964.	7.8	55
29	Hierarchical CoNi2S4 nanosheet/nanotube array structure on carbon fiber cloth for high-performance hybrid supercapacitors. Electrochimica Acta, 2019, 305, 81-89.	5.2	54
30	A Novel Artificial Neuron-Like Gas Sensor Constructed from CuS Quantum Dots/Bi2S3 Nanosheets. Nano-Micro Letters, 2022, 14, 8.	27.0	53
31	Gold nanobipyramid@cuprous oxide jujube-like nanostructures for plasmon-enhanced photocatalytic performance. Applied Catalysis B: Environmental, 2018, 234, 26-36.	20.2	52
32	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
33	Highly sensitive and recoverable room-temperature NO2 gas detection realized by 2D/0D MoS2/ZnS heterostructures with synergistic effects. Sensors and Actuators B: Chemical, 2021, 347, 130608.	7.8	50
34	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
35	Design of p–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
36	Scalable synthesis of γ-Fe2O3/CNT composite as high-performance anode material for lithium-ion batteries. Journal of Alloys and Compounds, 2019, 770, 116-124.	5.5	47

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37	Wearable NO2 sensing and wireless application based on ZnS nanoparticles/nitrogen-doped reduced graphene oxide. Sensors and Actuators B: Chemical, 2021, 345, 130423.	7.8	44
38	Laser-induced bi-metal sulfide/graphene nanoribbon hybrid frameworks for high-performance all-in-one fiber supercapacitors. Journal of Power Sources, 2019, 438, 227044.	7.8	32
39	Innovative development on a p-type delafossite CuCrO2 nanoparticles based triethylamine sensor. Sensors and Actuators B: Chemical, 2020, 324, 128743.	7.8	29
40	A novel Ni@Ni(OH)2 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
41	Large-scale synthesis of few-walled carbon nanotubes by DC arc discharge in low-pressure flowing air. Materials Research Bulletin, 2013, 48, 3232-3235.	5.2	27
42	Enhanced dimethyl methylphosphonate detection based on two-dimensional WSe$_2$ nanosheets at room temperature. Analyst, The, 2020, 145, 8059-8067.	3.5	21
43	Enhancing room-temperature NO2 detection of cobalt phthalocyanine based gas sensor at an ultralow laser exposure. Physical Chemistry Chemical Physics, 2020, 22, 18499-18506.	2.8	14
44	Yolk-Shelled Gold@Cuprous Oxide Nanostructures with Hot Carriers Boosting Photocatalytic Performance. Langmuir, 2021, 37, 4578-4586.	3.5	8
45	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
46	In situ coating nickel organic complexes on free-standing nickel wire films for volumetric-energy-dense supercapacitors. Nanotechnology, 2018, 29, 275401.	2.6	5
47	Carbon Foam Fibers with a Concentric Tube–Core/Three–Dimensional Nanosheet–Sheath Structure for High–Performance Lithium–Sulfur Batteries. ChemElectroChem, 2021, 8, 873-879.	3.4	4