

Kaidi Wu

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

587
citations

758635

12
h-index

1058022

14
g-index

14
all docs

14
docs citations

14
times ranked

433
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal oxide semiconductors with highly concentrated oxygen vacancies for gas sensing materials: A review. <i>Sensors and Actuators A: Physical</i> , 2020, 309, 112026.	2.0	126
2	Zinc ferrite based gas sensors: A review. <i>Ceramics International</i> , 2019, 45, 11143-11157.	2.3	116
3	Room temperature gas sensors based on Ce doped TiO ₂ nanocrystals for highly sensitive NH ₃ detection. <i>Chemical Engineering Journal</i> , 2022, 444, 136449.	6.6	74
4	Stability of Metal Oxide Semiconductor Gas Sensors: A Review. <i>IEEE Sensors Journal</i> , 2022, 22, 5470-5481.	2.4	56
5	Gas sensing materials roadmap. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 303001.	0.7	49
6	Micro-nano structured functional coatings deposited by liquid plasma spraying. <i>Journal of Advanced Ceramics</i> , 2020, 9, 517-534.	8.9	39
7	Synthesis and acetone sensing properties of ZnFe ₂ O ₄ /rGO gas sensors. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 2516-2526.	1.5	24
8	Synthesis and acetone sensing properties of copper (Cu ²⁺) substituted zinc ferrite hollow micro-nanospheres. <i>Ceramics International</i> , 2020, 46, 28835-28843.	2.3	20
9	Room-temperature gas sensors based on titanium dioxide quantum dots for highly sensitive and selective H ₂ S detection. <i>Applied Surface Science</i> , 2022, 585, 152744.	3.1	20
10	Highly sensitive ZnO nanoparticles-loaded In ₂ O ₃ hollow microsphere for detecting ppb-level NO ₂ at low working temperature. <i>Progress in Natural Science: Materials International</i> , 2020, 30, 469-476.	1.8	17
11	Facile synthesis and ppb-level H ₂ S sensing performance of hierarchical CuO microflowers assembled with nano-spindles. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 7937-7945.	1.1	16
12	ZnO ^{1±} coatings deposited by atmospheric plasma spraying for room temperature ppb-level NO ₂ detection. <i>Applied Surface Science</i> , 2020, 528, 147041.	3.1	13
13	Room temperature WO ₃ -Bi ₂ WO ₆ sensors based on hierarchical microflowers for ppb-level H ₂ S detection. <i>Chemical Engineering Journal</i> , 2022, 430, 132813.	6.6	11
14	Room temperature NO ₂ sensing properties of ZnO ^{1±} coating prepared by hydrogen reduction method. <i>Ceramics International</i> , 2021, 47, 29873-29880.	2.3	6