

# CITATION REPORT

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## Development of Low-ppm CO Sensors Using Pristine CeO Nanospheres with High Surface Area

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#	Paper	IF	Citations
31	Synthesis of NPs by Microemulsion Method. <b>2018</b> ,		1
30	Distinct Effects of External Electric Field on Interfacial and Bulk-like Water Confined in Reverse Micelles. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 25515-25523	3.8	6
29	. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 10821-10828	4	9
28	Synthesis and characterization of Sm <sub>2</sub> O <sub>3</sub> nanorods for application as a novel CO gas sensor. <i>Applied Surface Science</i> , <b>2019</b> , 487, 793-800	6.7	12
27	Aero-gel based CeO <sub>2</sub> nanoparticles: synthesis, structural properties and detailed humidity sensing response. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 5477-5487	7.1	44
26	Underpinning the Interaction between NO and CuO Nanoplatelets at Room Temperature by Tailoring Synthesis Reaction Base and Time. <i>ACS Omega</i> , <b>2019</b> , 4, 18035-18048	3.9	8
25	Electrically-Transduced Chemical Sensors Based on Two-Dimensional Nanomaterials. <i>Chemical Reviews</i> , <b>2019</b> , 119, 478-598	68.1	294
24	Fabrication of novel hierarchical CeO <sub>2</sub> sub-micro spheres via a facile hydrothermal process. <i>Journal of Dispersion Science and Technology</i> , <b>2020</b> , 41, 1417-1426	1.5	2
23	Gas sensors based on CeO <sub>2</sub> nanoparticles prepared by chemical precipitation method and their temperature-dependent selectivity towards H <sub>2</sub> S and NO <sub>2</sub> gases. <i>Applied Surface Science</i> , <b>2020</b> , 505, 144356	6.7	33
22	Ammonia Sensing by Sn <sub>1-x</sub> V <sub>x</sub> O <sub>2</sub> Mesoporous Nanoparticles. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 7572-7579	5.79	6
21	Design and fabrication of clad modified fiber optic gas sensor based CeO <sub>2</sub> /MWCNTs hybrid sensors by facile hydrothermal technique. <i>Diamond and Related Materials</i> , <b>2020</b> , 109, 108006	3.5	4
20	Hydroelectric Cell Based on a Cerium Oxide-Decorated Reduced Graphene Oxide (CeO <sub>2</sub> /rGO) Nanocomposite Generates Green Electricity by Room-Temperature Water Splitting. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 13067-13078	4.1	11
19	Band-gap-tunable CeO <sub>2</sub> nanoparticles for room-temperature NH <sub>3</sub> gas sensors. <i>Ceramics International</i> , <b>2020</b> , 46, 19232-19240	5.1	38
18	Organo-di-benzoic-acidified ZnO Nanohybrids for Highly Selective Detection of CO at Low Temperature. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 7307-7316	3.8	10
17	A high growth rate process of ALD CeO <sub>x</sub> with amidinato-cerium [(N-iPr-AMD) <sub>3</sub> Ce] and O <sub>3</sub> as precursors. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 5378-5389	4.3	2
16	Polypyrrole and associated hybrid nanocomposites as chemiresistive gas sensors: A comprehensive review. <i>Materials Science in Semiconductor Processing</i> , <b>2021</b> , 121, 105332	4.3	27
15	Flame-annealed Porous CeO <sub>2</sub> Nanosheets for Ultrafast CO Gas Sensors. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , <b>2021</b> , 142	1	1

14	Gas sensing materials roadmap. <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 33,	1.8	15
13	MoO <sub>2</sub> -Ni-graphene ternary nanocomposite for a high- performance room-temperature ethanol gas sensor. <i>Applied Surface Science</i> , <b>2021</b> , 554, 149595	6.7	6
12	20-nm-Nanogap oxygen gas sensor with solution-processed cerium oxide. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 343, 130098	8.5	1
11	Eco-friendly synthesis of CeO <sub>2</sub> NPs using Aloe barbadensis Mill extract: Its biological and photocatalytic activities for industrial dye treatment applications. <i>Journal of Photochemistry and Photobiology</i> , <b>2021</b> , 7, 100038	0.8	0
10	An Amidinato-Cerium Compound and Its Application as CVD Precursor for CeO <sub>x</sub> -Based Materials. <i>Russian Journal of Applied Chemistry</i> , <b>2020</b> , 93, 1553-1560	0.8	
9	Enhanced trimethylamine gas-sensing performance of CeO <sub>2</sub> nanoparticles-decorated MoO <sub>3</sub> nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2022</b> , 33, 3453	2.1	0
8	Nanoscale Heterostructured Materials Based on Metal Oxides for a Chemiresistive Gas Sensor. <i>ACS Applied Electronic Materials</i> , <b>2022</b> , 4, 59-86	4	3
7	Interconnected CeO <sub>2</sub> Nanofibers for Enhanced CO Gas Sensing. <i>Journal of Sensors</i> , <b>2022</b> , 2022, 1-7	2	
6	Electrical transport mechanisms of Neodymium-doped rare-earth semiconductors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2022</b> , 33, 11632	2.1	0
5	High-performance CeO <sub>2</sub> :Co nanostructures for the elimination of accidental poisoning caused by CO intoxication. <b>2022</b> , 12, 100298		1
4	2D/3D covalent organic frameworks based on cobalt corroles for CO binding. <b>2023</b> , 28, 101357		0
3	Selective Discrimination between CO and H <sub>2</sub> with Copper Nanoparticle-Resistive Gas Sensors.		0
2	Ce-Metal-Organic Framework-Derived CeO <sub>2</sub> /CuO: An Efficient Electrocatalyst for Oxygen Evolution Reaction. <b>2023</b> , 11, 161		0
1	ZrO <sub>2</sub> /CeO <sub>2</sub> -Heterostructured Nanocomposites for Enhanced Carbon Monoxide Gas Sensing.		0