

Ming

List of Publications by Year in descending order

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31
papers

2,905
citations

279701

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454834

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times ranked

3888
citing authors

#	ARTICLE	IF	CITATIONS
1	Controllable Hydrocarbon Formation from the Electrochemical Reduction of CO ₂ over Cu Nanowire Arrays. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6680-6684.	7.2	471
2	Selective and Efficient Reduction of Carbon Dioxide to Carbon Monoxide on Oxide-Derived Nanostructured Silver Electrocatalysts. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9748-9752.	7.2	422
3	Insights into the carbon balance for CO ₂ electroreduction on Cu using gas diffusion electrode reactor designs. <i>Energy and Environmental Science</i> , 2020, 13, 977-985.	15.6	313
4	Selective electrochemical reduction of CO ₂ to CO on CuO-derived Cu nanowires. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 20861-20867.	1.3	159
5	Effect of Chemisorption on the Interfacial Bonding Characteristics of Graphene-Polymer Composites. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6588-6594.	1.5	150
6	In Situ Fabrication and Reactivation of Highly Selective and Stable Ag Catalysts for Electrochemical CO ₂ Conversion. <i>ACS Energy Letters</i> , 2018, 3, 1301-1306.	8.8	136
7	Hydrocarbon Synthesis via Photoenzymatic Decarboxylation of Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2019, 141, 3116-3120.	6.6	123
8	Selective and Efficient Reduction of Carbon Dioxide to Carbon Monoxide on Oxide-Derived Nanostructured Silver Electrocatalysts. <i>Angewandte Chemie</i> , 2016, 128, 9900-9904.	1.6	117
9	Controllable Hydrocarbon Formation from the Electrochemical Reduction of CO ₂ over Cu Nanowire Arrays. <i>Angewandte Chemie</i> , 2016, 128, 6792-6796.	1.6	112
10	Towards highly efficient electrochemical CO ₂ reduction: Cell designs, membranes and electrocatalysts. <i>Applied Energy</i> , 2020, 277, 115557.	5.1	104
11	Electrochemical reduction of CO ₂ on compositionally variant Au-Pt bimetallic thin films. <i>Nano Energy</i> , 2017, 42, 51-57.	8.2	99
12	Maximizing Ag Utilization in High-Rate CO ₂ Electrochemical Reduction with a Coordination Polymer-Mediated Gas Diffusion Electrode. <i>ACS Energy Letters</i> , 2019, 4, 2024-2031.	8.8	85
13	Role of ion-selective membranes in the carbon balance for CO ₂ electroreduction via gas diffusion electrode reactor designs. <i>Chemical Science</i> , 2020, 11, 8854-8861.	3.7	84
14	Suppressing H ₂ Evolution and Promoting Selective CO ₂ Electroreduction to CO at Low Overpotentials by Alloying Au with Pd. <i>ACS Catalysis</i> , 2019, 9, 3527-3536.	5.5	79
15	Electronic Effects Determine the Selectivity of Planar Au-Cu Bimetallic Thin Films for Electrochemical CO ₂ Reduction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16546-16555.	4.0	71
16	Semiconducting properties of spinel tin nitride and other IV ₃ N ₄ polymorphs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1389-1396.	2.7	49
17	Effect of chemisorption structure on the interfacial bonding characteristics of graphene-polymer composites. <i>Applied Surface Science</i> , 2012, 258, 2077-2082.	3.1	46
18	Engineering the kinetics and interfacial energetics of Ni/Ni-Mo catalyzed amorphous silicon carbide photocathodes in alkaline media. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6842-6852.	5.2	34

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19	Photovoltaic characteristics of Pd doped amorphous carbon film/SiO ₂ /Si. Applied Physics Letters, 2010, 97, .	1.5	32
20	Capacitive humidity sensor based on amorphous carbon film/n-Si heterojunctions. Sensors and Actuators B: Chemical, 2010, 150, 487-489.	4.0	31
21	Au Dendrite Electrocatalysts for CO ₂ Electrolysis. Journal of Physical Chemistry C, 2018, 122, 10006-10016.	1.5	30
22	Influence of Solid Surface and Functional Group on the Collapse of Carbon Nanotubes. Journal of Physical Chemistry C, 2010, 114, 2100-2107.	1.5	28
23	Effect of ethanol gas on the electrical properties of ZnO nanorods. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1056-1060.	1.3	28
24	Local reaction environment for selective electroreduction of carbon monoxide. Energy and Environmental Science, 2022, 15, 2470-2478.	15.6	27
25	Ultrahigh photosensitivity and detectivity of hydrogen-treated TiO ₂ nanorod array/SiO ₂ /Si heterojunction broadband photodetectors and its mechanism. Journal of Materials Chemistry C, 2018, 6, 2319-2328.	2.7	21
26	Charge controlled switchable CO ₂ /N ₂ separation for g-C10N9 membrane: Insights from molecular dynamics simulations. Journal of CO ₂ Utilization, 2018, 26, 294-301.	3.3	15
27	Rigorous Evaluation of Liquid Products in High-Rate CO ₂ /CO Electrolysis. ACS Energy Letters, 2022, 7, 2595-2601.	8.8	13
28	Large photoconductivity of Pd doped amorphous carbon film/SiO ₂ /Si. Diamond and Related Materials, 2012, 21, 24-27.	1.8	10
29	Effect of Si substrate on ethanol gas sensing properties of ZnO films. Thin Solid Films, 2011, 519, 6151-6154.	0.8	9
30	Light-induced resistance effect of Pd doped carbon film/SiO ₂ /Si. Journal of Applied Physics, 2011, 110, .	1.1	7
31	Gas Sensing Properties of ZnO Thin Film/Si Heterojunction to Alcohols. Materials Science Forum, 2011, 687, 798-802.	0.3	0