Joseph S Duchene

List of Publications by Year
in descending order

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21 papers	2,034 citations	430754 18 h-index	713332 21 g-index
22 all docs	22 docs citations	22 times ranked	3310 citing authors

#	Article	IF	Citations
1	Probing the Catalytically Active Region in a Nanoporous Gold Gas Diffusion Electrode for Highly Selective Carbon Dioxide Reduction. ACS Energy Letters, 2022, 7, 871-879.	8.8	20
2	Unassisted Highly Selective Gas-Phase CO₂ Reduction with a Plasmonic Au/p-GaN Photocatalyst Using H₂O as an Electron Donor. ACS Energy Letters, 2021, 6, 1849-1856.	8.8	49
3	Operando Local pH Measurement within Gas Diffusion Electrodes Performing Electrochemical Carbon Dioxide Reduction. Journal of Physical Chemistry C, 2021, 125, 20896-20904.	1.5	25
4	Band Edge Tailoring in Few-Layer Two-Dimensional Molybdenum Sulfide/Selenide Alloys. Journal of Physical Chemistry C, 2020, 124, 22893-22902.	1.5	9
5	Ultrafast hot-hole injection modifies hot-electron dynamics in Au/p-GaN heterostructures. Nature Materials, 2020, 19, 1312-1318.	13.3	138
6	Optical Excitation of a Nanoparticle Cu/p-NiO Photocathode Improves Reaction Selectivity for CO₂ Reduction in Aqueous Electrolytes. Nano Letters, 2020, 20, 2348-2358.	4.5	82
7	Bicarbonate or Carbonate Processes for Coupling Carbon Dioxide Capture and Electrochemical Conversion. ACS Energy Letters, 2020, 5, 940-945.	8.8	68
8	Hot-Hole versus Hot-Electron Transport at Cu/GaN Heterojunction Interfaces. ACS Nano, 2020, 14, 5788-5797.	7.3	53
9	Nanoporous Gold as a Highly Selective and Active Carbon Dioxide Reduction Catalyst. ACS Applied Energy Materials, 2019, 2, 164-170.	2.5	55
10	Hot Hole Collection and Photoelectrochemical CO₂ Reduction with Plasmonic Au/p-GaN Photocathodes. Nano Letters, 2018, 18, 2545-2550.	4.5	307
11	Bi-Containing n-FeWO4 Thin Films Provide the Largest Photovoltage and Highest Stability for a Sub-2 eV Band Gap Photoanode. ACS Energy Letters, 2018, 3, 2769-2774.	8.8	20
12	Quantifying the role of surface plasmon excitation and hot carrier transport in plasmonic devices. Nature Communications, 2018, 9, 3394.	5.8	147
13	Polyvinylpyrrolidone-induced anisotropic growth of gold nanoprisms in plasmon-driven synthesis. Nature Materials, 2016, 15, 889-895.	13.3	239
14	Elucidating the Sole Contribution from Electromagnetic Nearâ€Fields in Plasmonâ€Enhanced Cu₂O Photocathodes. Advanced Energy Materials, 2016, 6, 1501250.	10.2	31
15	Dose-rate-dependent damage of cerium dioxide in the scanning transmission electron microscope. Ultramicroscopy, 2016, 170, 1-9.	0.8	35
16	Oxidation-state sensitive imaging of cerium dioxide by atomic-resolution low-angle annular dark field scanning transmission electron microscopy. Ultramicroscopy, 2016, 162, 52-60.	0.8	11
17	Low Angle Annular Dark Field Scanning Transmission Electron Microscopy is Sensitive to Oxidation State in CeO2 Nanoparticles. Microscopy and Microanalysis, 2015, 21, 239-240.	0.2	0
18	A Facile Solvothermal Synthesis of Octahedral Fe₃O₄ Nanoparticles. Small, 2015, 11, 2649-2653.	5.2	45

#	Article	IF	Citations
19	Surface Plasmon-Driven Water Reduction: Gold Nanoparticle Size Matters. Journal of the American Chemical Society, 2014, 136, 9842-9845.	6.6	301
20	Prolonged Hot Electron Dynamics in Plasmonicâ€Metal/Semiconductor Heterostructures with Implications for Solar Photocatalysis. Angewandte Chemie - International Edition, 2014, 53, 7887-7891.	7.2	349
21	Facile synthesis of anisotropic Au@SiO2 coreâ€“shell nanostructures. Dalton Transactions, 2012, 41, 7879.	1.6	14