

Joshua P McClure

List of Publications by Year in descending order

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papers

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citations

623734

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24
all docs

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docs citations

24
times ranked

1156
citing authors

#	ARTICLE	IF	CITATIONS
1	Photodeposition of Pd onto Colloidal Au Nanorods by Surface Plasmon Excitation. Journal of Visualized Experiments, 2019, , .	0.3	4
2	Surface Plasmon Resonant Gold-Palladium Bimetallic Nanoparticles for Promoting Catalytic Oxidation. MRS Advances, 2019, 4, 1877-1886.	0.9	8
3	Structure-Property-Performance Relationship of Ultrathin Pd-Au Alloy Catalyst Layers for Low-Temperature Ethanol Oxidation in Alkaline Media. ACS Applied Materials & Interfaces, 2019, 11, 24919-24932.	8.0	27
4	In Situ Optical and Stress Characterization of Alloyed Pd-Au Hydrides. ACS Applied Materials & Interfaces, 2019, 11, 45057-45067.	8.0	17
5	Harvesting resonantly-trapped light for small molecule oxidation reactions at the Au/Fe ₂ O ₃ interface. Nanoscale, 2018, 10, 7833-7850.	5.6	12
6	Ordered mesoporous FeN-doped carbon: a class of highly active and stable catalysts in acids, bases and polymer electrolyte membrane fuel cells. Journal of Materials Chemistry A, 2018, 6, 3941-3953.	10.3	15
7	Understanding charge transfer dynamics in QDs-TiO ₂ nanorod array photoanodes for solar fuel generation. Applied Surface Science, 2018, 429, 48-54.	6.1	16
8	Targeted Deposition of Platinum onto Gold Nanorods by Plasmonic Hot Electrons. Journal of Physical Chemistry C, 2018, 122, 28901-28909.	3.1	49
9	Visible Light-Promoted Plasmon Resonance to Induce "Hot-Hole" Transfer and Photothermal Conversion for Catalytic Oxidation. Journal of Physical Chemistry C, 2018, 122, 28934-28948.	3.1	32
10	Band Structure Engineering by Alloying for Photonics. Advanced Optical Materials, 2018, 6, 1800218.	7.3	21
11	Light-Driven Small Molecule Oxidation on Pd-Au Bimetallic Film-Coupled Electrodes. ECS Meeting Abstracts, 2018, , .	0.0	0
12	Plasmon-Directed Photocatalytic Deposition of Platinum Onto Gold Nanorods Via Hot Electrons. ECS Meeting Abstracts, 2018, , .	0.0	0
13	Plasmonic-Enhancement of the Electro-Oxidation of Ethanol in Alkaline Media with Au-Fe ₂ O ₃ Thin Film, Embedded, Sandwich and Surface Configurations. MRS Advances, 2017, 2, 3397-3402.	0.9	4
14	Understanding Transport at the Acid-Alkaline Interface of Bipolar Membranes. Journal of the Electrochemical Society, 2016, 163, F1572-F1587.	2.9	46
15	Sensitivity of Density Functional Theory Methodology for Oxygen Reduction Reaction Predictions on Fe-N ₄ -Containing Graphitic Clusters. Journal of Physical Chemistry C, 2016, 120, 28545-28562.	3.1	31
16	Non-precious Mn _{1.5} Co _{1.5} O ₄ -FeN/C nanocomposite as a synergistic catalyst for oxygen reduction in alkaline media. RSC Advances, 2016, 6, 69167-69176.	3.6	4
17	Nano-Structured Bio-Inorganic Hybrid Material for High Performing Oxygen Reduction Catalyst. ACS Applied Materials & Interfaces, 2015, 7, 18530-18539.	8.0	11
18	Oxygen electroreduction on Fe- or Co-containing carbon fibers. Carbon, 2014, 79, 457-469.	10.3	29

#	ARTICLE	IF	CITATIONS
19	A Class of (Pd@Ni@P) Electrocatalysts for the Ethanol Oxidation Reaction in Alkaline Media. ACS Catalysis, 2014, 4, 2577-2586.	11.2	174
20	Oxygen Electroreduction on Ti- and Fe-Containing Carbon Fibers. Journal of the Electrochemical Society, 2013, 160, F769-F778.	2.9	14
21	Oxygen Reduction on Metal-Free Nitrogen-Doped Carbon Nanowall Electrodes. Journal of the Electrochemical Society, 2012, 159, F733-F742.	2.9	52
22	Heat-treated hemin supported on graphene nanoplatelets for the oxygen reduction reaction. Electrochemistry Communications, 2012, 19, 73-76.	4.7	41
23	Increasing the electrochemically available active sites for heat-treated hemin catalysts supported on carbon black. Electrochimica Acta, 2012, 75, 185-190.	5.2	24
24	Distinguishing Plasmonic Photoinduced Electron Transfer and Photothermal Enhancement Mechanisms for Photoelectrocatalytic Ethanol Oxidation on Au Nanoparticle-Decorated Photoelectrodes. ACS Applied Nano Materials, 0, , .	5.0	3