

Sagar Prabhudev

List of Publications by Year in descending order

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papers

667
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686830

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docs citations

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times ranked

1404
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous RuO _x N _y S _z Electrodes for Microsupercapacitors and Microbatteries with Enhanced Areal Performance. ACS Energy Letters, 2021, 6, 131-139.	8.8	19
2	Amorphous Ni-Based Nanoparticles for Alkaline Oxygen Evolution. ACS Applied Nano Materials, 2020, 3, 10522-10530.	2.4	10
3	Rethinking Pseudocapacitance: A Way to Harness Charge Storage of Crystalline RuO ₂ . ACS Applied Energy Materials, 2020, 3, 4144-4148.	2.5	11
4	Uncovering the nature of electroactive sites in nano architected dendritic Bi for highly efficient CO ₂ electroreduction to formate. Applied Catalysis B: Environmental, 2020, 274, 119031.	10.8	46
5	Probing electrochemical surface/interfacial reactions with liquid cell transmission electron microscopy: a challenge or an opportunity?. Current Opinion in Electrochemistry, 2020, 23, 114-122.	2.5	8
6	Regeneration of Reactive Pd Surfaces in Au-Pd Nanoparticles after Electrochemical Aging. ECS Meeting Abstracts, 2020, MA2020-01, 2665-2665.	0.0	0
7	Deposition and morphological evolution of nanostructured palladium during potential cycling: a liquid-cell TEM study. Chemical Communications, 2019, 55, 9204-9207.	2.2	6
8	Electrochemical promotion of Bi-metallic Ni ₉ Pd core double-shell nanoparticles for complete methane oxidation. Journal of Catalysis, 2019, 374, 127-135.	3.1	13
9	Europium-doped ZnO nanosponges "controlling optical properties and photocatalytic activity. Journal of Materials Chemistry C, 2019, 7, 3909-3919.	2.7	27
10	Vertically Aligned Ni Nanowires as a Platform for Kinetically Limited Water-Splitting Electrocatalysis. Journal of Physical Chemistry C, 2019, 123, 1082-1093.	1.5	5
11	Analytical Electron Microscopy. Springer Handbooks, 2019, , 345-453.	0.3	4
12	Bulk Immiscibility at the Edge of the Nanoscale. ACS Nano, 2017, 11, 10984-10991.	7.3	8
13	Effect of Silicon Carbide Nanoparticles on the Grain Boundary Segregation and Thermoelectric Properties of Bismuth Doped Mg ₂ Si _{0.7} Ge _{0.3} . Journal of Electronic Materials, 2016, 45, 6052-6058.	1.0	19
14	Nano- and Microstructure Engineering: An Effective Method for Creating High Efficiency Magnesium Silicide Based Thermoelectrics. ACS Applied Materials & Interfaces, 2016, 8, 34431-34437.	4.0	58
15	Biomimetic design of monolithic fuel cell electrodes with hierarchical structures. Nano Energy, 2016, 20, 57-67.	8.2	13
16	Machine-Learning Aided Evolution Studies of Nano-composite Electrodes and Nano-particle Catalysts for Fuel Cell Applications. Microscopy and Microanalysis, 2015, 21, 1063-1066.	0.2	1
17	Surface Segregation of Fe in Pt-Fe Alloy Nanoparticles: Its Precedence and Effect on the Ordered-Phase Evolution during Thermal Annealing. ChemCatChem, 2015, 7, 3655-3664.	1.8	25
18	Surface Segregation of Fe in Pt-Fe Alloy Nanoparticles: Its Precedence and Effect on the Ordered-Phase Evolution during Thermal Annealing. ChemCatChem, 2015, 7, 3597-3597.	1.8	0

#	ARTICLE	IF	CITATIONS
19	Atomic Resolution Imaging and Spectroscopy of Pt-alloy Electrocatalytic Nanoparticles. <i>Microscopy and Microanalysis</i> , 2015, 21, 2247-2248.	0.2	0
20	Local structure and thermoelectric properties of $Mg_{2}Si_{0.977}\hat{\wedge}Ge\ Bi_{0.023}$ ($0.1 \hat{\otimes}1/2 \hat{\otimes}1/2 0.4$). <i>Journal of Alloys and Compounds</i> , 2015, 644, 249-255.	2.8	19
21	Ptâ€“Auâ€“Co Alloy Electrocatalysts Demonstrating Enhanced Activity and Durability toward the Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2015, 5, 1513-1524.	5.5	106
22	Enhanced figure of merit in $Mg_{2}</sub>Si_{0.877}</sub>Ge_{0.1}</sub>Bi_{0.023}</sub>/multi\ wall\ carbon\ nanotube\ nanocomposites$. <i>RSC Advances</i> , 2015, 5, 65328-65336.	1.7	20
23	Synthesis and structural evolution of Pt nanotubular skeletons: revealing the source of the instability of nanostructured electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12663-12671.	5.2	19
24	In Situ Liquid Cell TEM Study of Morphological Evolution and Degradation of Ptâ€“Fe Nanocatalysts During Potential Cycling. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22111-22119.	1.5	103
25	Strained Lattice with Persistent Atomic Order in $Pt_{3}</sub>Fe_{2}</sub>$ Intermetallic Coreâ€“Shell Nanocatalysts. <i>ACS Nano</i> , 2013, 7, 6103-6110.	7.3	95
26	Effect of oxides on the reaction kinetics during hot-dip galvanizing of high strength steels. <i>Corrosion Science</i> , 2011, 53, 2413-2418.	3.0	27
27	Resolution of conflicting views on thermodynamics of glass transition: A unified model. <i>Bulletin of Materials Science</i> , 2010, 33, 603-609.	0.8	5