

Sarvjit Shastri

List of Publications by Year in descending order

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12
papers

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citations

933447

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1281871

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docs citations

12
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674
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin of High Activity and Durability of Twisty Nanowire Alloy Catalysts under Oxygen Reduction and Fuel Cell Operating Conditions. <i>Journal of the American Chemical Society</i> , 2020, 142, 1287-1299.	13.7	102
2	Pt@Au Alloying at the Nanoscale. <i>Nano Letters</i> , 2012, 12, 4289-4299.	9.1	96
3	Morphing Mncore@Ptshell nanoparticles: Effects of core structure on the ORR performance of Pt shell. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118727.	20.2	58
4	Deviations from Vegard's law and evolution of the electrocatalytic activity and stability of Pt-based nanoalloys inside fuel cells by in operando X-ray spectroscopy and total scattering. <i>Nanoscale</i> , 2019, 11, 5512-5525.	5.6	33
5	Resolving Atomic Ordering Differences in Group 11 Nanosized Metals and Binary Alloy Catalysts by Resonant High-Energy X-ray Diffraction and Computer Simulations. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22131-22141.	3.1	25
6	Surface Atomic Structure and Functionality of Metallic Nanoparticles: A Case Study of Au@Pd Nanoalloy Catalysts. <i>Journal of Physical Chemistry C</i> , 2017, 121, 7854-7866.	3.1	20
7	Structure of Nanocrystalline Materials with Intrinsic Disorder from Atomic Pair Distribution Function Analysis: The Intercalation Compound Ag _x MoS ₂ . <i>Journal of Physical Chemistry B</i> , 2002, 106, 12453-12458.	2.6	19
8	Nanoalloy catalysts inside fuel cells: An atomic-level perspective on the functionality by combined in operando x-ray spectroscopy and total scattering. <i>Nano Energy</i> , 2018, 49, 209-220.	16.0	18
9	Ensemble averaged structure-function relationship for nanocrystals: effective superparamagnetic Fe clusters with catalytically active Pt skin. <i>Nanoscale</i> , 2017, 9, 15505-15514.	5.6	14
10	Application of differential resonant high-energy X-ray diffraction to three-dimensional structure studies of nanosized materials: A case study of Pt@Pd nanoalloy catalysts. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, 553-566.	0.1	11
11	3D Atomic Arrangement at Functional Interfaces Inside Nanoparticles by Resonant High-Energy X-ray Diffraction. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23265-23277.	8.0	10
12	Structure of Nanocrystalline Materials with Intrinsic Disorder from Atomic Pair Distribution Function Analysis: The Intercalation Compound Ag _x MoS ₂ . <i>ChemInform</i> , 2003, 34, no.	0.0	0