

Anisha N Patel

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,629
citations

430754

18
h-index

610775

24
g-index

26
all docs

26
docs citations

26
times ranked

1838
citing authors

#	ARTICLE	IF	CITATIONS
1	Lithium ion battery degradation: what you need to know. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 8200-8221.	1.3	330
2	A New View of Electrochemistry at Highly Oriented Pyrolytic Graphite. <i>Journal of the American Chemical Society</i> , 2012, 134, 20117-20130.	6.6	228
3	Definitive Evidence for Fast Electron Transfer at Pristine Basal Plane Graphite from High-Resolution Electrochemical Imaging. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5405-5408.	7.2	143
4	Comparison and Reappraisal of Carbon Electrodes for the Voltammetric Detection of Dopamine. <i>Analytical Chemistry</i> , 2013, 85, 11755-11764.	3.2	143
5	Correlated Electrochemical and Optical Detection Reveals the Chemical Reactivity of Individual Silver Nanoparticles. <i>Journal of the American Chemical Society</i> , 2016, 138, 3478-3483.	6.6	136
6	Electrodeposition of Nickel Hydroxide Nanoparticles on Boron-Doped Diamond Electrodes for Oxidative Electrocatalysis. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1649-1658.	1.5	134
7	Molecular Functionalization of Graphite Surfaces: Basal Plane versus Step Edge Electrochemical Activity. <i>Journal of the American Chemical Society</i> , 2014, 136, 11444-11451.	6.6	71
8	Deciphering the Elementary Steps of Transport-Reaction Processes at Individual Ag Nanoparticles by 3D Superlocalization Microscopy. <i>Nano Letters</i> , 2015, 15, 6454-6463.	4.5	65
9	Nanoscale Electrochemical Patterning Reveals the Active Sites for Catechol Oxidation at Graphite Surfaces. <i>Journal of the American Chemical Society</i> , 2012, 134, 20246-20249.	6.6	55
10	Measurement of the efficacy of calcium silicate for the protection and repair of dental enamel. <i>Journal of Dentistry</i> , 2014, 42, S21-S29.	1.7	45
11	Investigation of film formation properties during electrochemical oxidation of serotonin (5-HT) at polycrystalline boron doped diamond. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18085.	1.3	41
12	Simultaneous electrochemical and 3D optical imaging of silver nanoparticle oxidation. <i>Chemical Physics Letters</i> , 2014, 597, 20-25.	1.2	34
13	Epinephrine electro-oxidation highlights fast electrochemistry at the graphite basal surface. <i>Chemical Communications</i> , 2013, 49, 8776.	2.2	27
14	(Multi)functional Atomic Force Microscopy Imaging. <i>Annual Review of Analytical Chemistry</i> , 2018, 11, 329-350.	2.8	27
15	Electrochemistry of $Fe^{3+/2+}$ at highly oriented pyrolytic graphite (HOPG) electrodes: kinetics, identification of major electroactive sites and time effects on the response. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32387-32395.	1.3	23
16	Imaging of a Thin Oxide Film Formation from the Combination of Surface Reflectivity and Electrochemical Methods. <i>Analytical Chemistry</i> , 2017, 89, 5303-5310.	3.2	23
17	Scaffolding of Enzymes on Virus Nanoarrays: Effects of Confinement and Virus Organization on Biocatalysis. <i>Small</i> , 2017, 13, 1603163.	5.2	20
18	Electrochemical oxidation of dihydronicotinamide adenine dinucleotide (NADH): comparison of highly oriented pyrolytic graphite (HOPG) and polycrystalline boron-doped diamond (pBDD) electrodes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 26404-26411.	1.3	17

#	ARTICLE	IF	CITATIONS
19	From Atoms to Cells: Multiscale Modeling of $\text{LiNi}_{0.8}\text{Mn}_{0.1}\text{Co}_{0.1}\text{O}_2$ Cathodes for Li-Ion Batteries. ACS Energy Letters, 2022, 7, 108-122.	8.8	16
20	Immuno-Based Molecular Scaffolding of Glucose Dehydrogenase and Ferrocene Mediator on ϕ -Viral Particles Yields Enhanced Bioelectrocatalysis. ACS Catalysis, 2019, 9, 5783-5796.	5.5	10
21	Probing the Enzymatic Activity of Individual Biocatalytic ϕ -Viral Particles by Electrochemical-Atomic Force Microscopy. ACS Catalysis, 2020, 10, 7843-7856.	5.5	9
22	Inside Cover: Definitive Evidence for Fast Electron Transfer at Pristine Basal Plane Graphite from High-Resolution Electrochemical Imaging (Angew. Chem. Int. Ed. 22/2012). Angewandte Chemie - International Edition, 2012, 51, 5260-5260.	7.2	3
23	Holographic Superlocalization of Individual Silver Nanoparticle Impacts in Micro-electrochemical Cells. , 2016, , .		0
24	Real-Time Operando SEM Investigation into Lithium Ion Battery Degradation. ECS Meeting Abstracts, 2019, , .	0.0	0