

Priyanka Bhattacharya

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

7,181
citations

279798

23
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

8444
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the Anion Activity on the Stability of Li Metal Anodes in Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 3059-3066.	14.9	117
2	Enhanced charging capability of lithium metal batteries based on lithium bis(trifluoromethanesulfonyl)imide-lithium bis(oxalato)borate dual-salt electrolytes. <i>Journal of Power Sources</i> , 2016, 318, 170-177.	7.8	186
3	Reversible aqueous zinc/manganese oxide energy storage from conversion reactions. <i>Nature Energy</i> , 2016, 1, .	39.5	2,186
4	Polyamidoamine dendrimer-based binders for high-loading lithium-sulfur battery cathodes. <i>Nano Energy</i> , 2016, 19, 176-186.	16.0	132
5	Hybrid Electrolyte and Bi-Functional Cathode Binder for Lithium-Sulfur Batteries. <i>ECS Meeting Abstracts</i> , 2016, .	0.0	0
6	In-situ Grown ZnCo ₂ O ₄ on Single-Walled Carbon Nanotubes as Air Electrode Materials for Rechargeable Lithium-Oxygen Batteries. <i>ChemSusChem</i> , 2015, 8, 3697-3703.	6.8	34
7	Dendrite-free Li deposition using trace-amounts of water as an electrolyte additive. <i>Nano Energy</i> , 2015, 15, 135-144.	16.0	297
8	Molecular-confinement of polysulfides within mesoscale electrodes for the practical application of lithium sulfur batteries. <i>Nano Energy</i> , 2015, 13, 267-274.	16.0	50
9	High rate and stable cycling of lithium metal anode. <i>Nature Communications</i> , 2015, 6, 6362.	12.8	1,954
10	Effects of structural defects on the electrochemical activation of Li ₂ MnO ₃ . <i>Nano Energy</i> , 2015, 16, 143-151.	16.0	73
11	PAMAM Dendrimers and Graphene: Materials for Removing Aromatic Contaminants from Water. <i>Environmental Science & Technology</i> , 2015, 49, 4490-4497.	10.0	40
12	Failure Mechanism for Fast-Charged Lithium Metal Batteries with Liquid Electrolytes. <i>Advanced Energy Materials</i> , 2015, 5, 1400993.	19.5	540
13	Dendrimer-Encapsulated Ruthenium Oxide Nanoparticles as Catalysts in Lithium-Oxygen Batteries. <i>Advanced Functional Materials</i> , 2014, 24, 7510-7519.	14.9	59
14	Dendrite-Free Lithium Deposition with Self-Aligned Nanorod Structure. <i>Nano Letters</i> , 2014, 14, 6889-6896.	9.1	326
15	Bioinspired nanoscale materials for biomedical and energy applications. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20131067.	3.4	45
16	Formation of Interfacial Layer and Long-Term Cyclability of Li ₂ O Batteries. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 14141-14151.	8.0	44
17	The Mechanisms of Oxygen Reduction and Evolution Reactions in Nonaqueous Lithium-Oxygen Batteries. <i>ChemSusChem</i> , 2014, 7, 2436-2440.	6.8	62
18	In-vitro toxicity of silver nanoparticles to kiwifruit pollen exhibits peculiar traits beyond the cause of silver ion release. <i>Environmental Pollution</i> , 2013, 179, 258-267.	7.5	54

#	ARTICLE	IF	CITATIONS
19	Exploiting the physicochemical properties of dendritic polymers for environmental and biological applications. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 4477.	2.8	29
20	Interaction of lipid vesicle with silver nanoparticle-serum albumin protein corona. <i>Applied Physics Letters</i> , 2012, 100, 13703-137034.	3.3	54
21	Understanding dendritic polymer-hydrocarbon interactions for oil dispersion. <i>RSC Advances</i> , 2012, 2, 9371.	3.6	16
22	PAMAM dendrimer for mitigating humic foulant. <i>RSC Advances</i> , 2012, 2, 7997.	3.6	17
23	Dendrimer-Fullerenol Soft-Condensed Nanoassembly. <i>Journal of Physical Chemistry C</i> , 2012, 116, 15775-15781.	3.1	16
24	A Tris-Dendrimer for Hosting Diverse Chemical Species. <i>Journal of Physical Chemistry C</i> , 2011, 115, 12789-12796.	3.1	14
25	Copper detection utilizing dendrimer and gold nanowire-induced surface plasmon resonance. <i>Journal of Applied Physics</i> , 2011, 109, 014911.	2.5	6
26	Binding of nanoplastics onto a cellulose film. , 2010, , .		5
27	Physical Adsorption of Charged Plastic Nanoparticles Affects Algal Photosynthesis. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16556-16561.	3.1	673
28	Fluorescence resonance energy transfer between phenanthrene and PAMAM dendrimers. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9285.	2.8	35
29	Effects of Quantum Dots Adsorption on Algal Photosynthesis. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10962-10966.	3.1	77
30	Universal, geometry-driven hydrophobic behaviour of bare metal nanowire clusters. <i>Nanotechnology</i> , 2008, 19, 075709.	2.6	40