Priyanka Bhattacharya

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7357157/publications.pdf

Version: 2024-02-01

30 papers	7,181 citations	279487 23 h-index	500791 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 Lithiumâ€Sulfur Batteries. Advanced Functional Materials, 2016, 26, 3059-3066.	7.8	117
2	Enhanced charging capability of lithium metal batteries based on lithium bis(trifluoromethanesulfonyl)imide-lithium bis(oxalato)borate dual-salt electrolytes. Journal of Power Sources, 2016, 318, 170-177.	4.0	186
3	Reversible aqueous zinc/manganese oxide energy storage from conversion reactions. Nature Energy, 2016, 1, .	19.8	2,186
4	Polyamidoamine dendrimer-based binders for high-loading lithiumâ€“sulfur battery cathodes. Nano Energy, 2016, 19, 176-186.	8.2	132
5	Hybrid Electrolyte and Bi-Functional Cathode Binder for Lithium-Sulfur Batteries. ECS Meeting Abstracts, 2016, , .	0.0	0
6	Inâ€…Situâ€Grown ZnCo₂O₄ on Singleâ€Walled Carbon Nanotubes as Air Electrode Materials for Rechargeable Lithiumâ€“Oxygen Batteries. ChemSusChem, 2015, 8, 3697-3703.	3.6	34
7	Dendrite-free Li deposition using trace-amounts of water as an electrolyte additive. Nano Energy, 2015, 15, 135-144.	8.2	297
8	Molecular-confinement of polysulfides within mesoscale electrodes for the practical application of lithium sulfur batteries. Nano Energy, 2015, 13, 267-274.	8.2	50
9	High rate and stable cycling of lithium metal anode. Nature Communications, 2015, 6, 6362.	5.8	1,954
10	Effects of structural defects on the electrochemical activation of Li2MnO3. Nano Energy, 2015, 16, 143-151.	8.2	73
11	PAMAM Dendrimers and Graphene: Materials for Removing Aromatic Contaminants from Water. Environmental Science & Technology, 2015, 49, 4490-4497.	4.6	40
12	Failure Mechanism for Fastâ€Charged Lithium Metal Batteries with Liquid Electrolytes. Advanced Energy Materials, 2015, 5, 1400993.	10.2	540
13	Dendrimerâ€Encapsulated Ruthenium Oxide Nanoparticles as Catalysts in Lithiumâ€Oxygen Batteries. Advanced Functional Materials, 2014, 24, 7510-7519.	7.8	59
14	Dendrite-Free Lithium Deposition with Self-Aligned Nanorod Structure. Nano Letters, 2014, 14, 6889-6896.	4.5	326
15	Bioinspired nanoscale materials for biomedical and energy applications. Journal of the Royal Society Interface, 2014, 11, 20131067.	1.5	45
16	Formation of Interfacial Layer and Long-Term Cyclability of Liâ€“O₂ Batteries. ACS Applied Materials & Interfaces, 2014, 6, 14141-14151.	4.0	44
17	The Mechanisms of Oxygen Reduction and Evolution Reactions in Nonaqueous Lithiumâ€“Oxygen Batteries. ChemSusChem, 2014, 7, 2436-2440.	3.6	62
18	InÂvitro toxicity of silver nanoparticles to kiwifruit pollen exhibits peculiar traits beyond the cause of silver ion release. Environmental Pollution, 2013, 179, 258-267.	3.7	54

#	Article	IF	Citations
19	Exploiting the physicochemical properties of dendritic polymers for environmental and biological applications. Physical Chemistry Chemical Physics, 2013, 15, 4477.	1.3	29
20	Interaction of lipid vesicle with silver nanoparticle-serum albumin protein corona. Applied Physics Letters, 2012, 100, 13703-137034.	1.5	54
21	Understanding dendritic polymerâ€“hydrocarbon interactions for oil dispersion. RSC Advances, 2012, 2, 9371.	1.7	16
22	PAMAM dendrimer for mitigating humic foulant. RSC Advances, 2012, 2, 7997.	1.7	17
23	Dendrimerâ€“Fullerenol Soft-Condensed Nanoassembly. Journal of Physical Chemistry C, 2012, 116, 15775-15781.	1.5	16
24	A Tris-Dendrimer for Hosting Diverse Chemical Species. Journal of Physical Chemistry C, 2011, 115, 12789-12796.	1.5	14
25	Copper detection utilizing dendrimer and gold nanowire-induced surface plasmon resonance. Journal of Applied Physics, 2011, 109, 014911.	1.1	6
26	Binding of nanoplastics onto a cellulose film. , 2010, , .		5
27	Physical Adsorption of Charged Plastic Nanoparticles Affects Algal Photosynthesis. Journal of Physical Chemistry C, 2010, 114, 16556-16561.	1.5	673
28	Fluorescence resonance energy transfer between phenanthrene and PAMAM dendrimers. Physical Chemistry Chemical Physics, 2010, 12, 9285.	1.3	35
29	Effects of Quantum Dots Adsorption on Algal Photosynthesis. Journal of Physical Chemistry C, 2009, 113, 10962-10966.	1.5	77
30	Universal, geometry-driven hydrophobic behaviour of bare metal nanowire clusters. Nanotechnology, 2008, 19, 075709.	1.3	40