

Christie Cherian

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16
papers

2,627
citations

14
h-index

16
g-index

16
ext. papers

3,060
ext. citations

12.2
avg, IF

4.73
L-index

#	Paper	IF	Citations
16	Tunable sieving of ions using graphene oxide membranes. <i>Nature Nanotechnology</i> , 2017 , 12, 546-550	28.7	960
15	Ultrathin graphene-based membrane with precise molecular sieving and ultrafast solvent permeation. <i>Nature Materials</i> , 2017 , 16, 1198-1202	27	383
14	Morphologically robust NiFe ₂ O ₄ nanofibers as high capacity Li-ion battery anode material. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 9957-63	9.5	253
13	Electrospun Fe ₂ O ₃ nanorods as a stable, high capacity anode material for Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12198		237
12	Electrically controlled water permeation through graphene oxide membranes. <i>Nature</i> , 2018 , 559, 236-240	40.4	177
11	Interconnected network of CoMoO ₄ submicrometer particles as high capacity anode material for lithium ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 918-23	9.5	170
10	Zn ₂ SnO ₄ nanowires versus nanoplates: electrochemical performance and morphological evolution during Li-cycling. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 6054-60	9.5	99
9	Bubble-free electrochemical delamination of CVD graphene films. <i>Small</i> , 2015 , 11, 189-94	11	73
8	Molten synthesis of ZnO.Fe ₃ O ₄ and Fe ₂ O ₃ and its electrochemical performance. <i>Electrochimica Acta</i> , 2014 , 118, 75-80	6.7	68
7	Li-cycling properties of nano-crystalline (Ni _{1-x} Zn _x)Fe ₂ O ₄ (0 ≤ x ≤ 1). <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 1823-1832	2.6	63
6	(N,F)-Co-doped TiO ₂ : synthesis, anatase to rutile conversion and Li-cycling properties. <i>CrystEngComm</i> , 2012 , 14, 978-986	3.3	50
5	Cation-controlled wetting properties of vermiculite membranes and its promise for fouling resistant oil-water separation. <i>Nature Communications</i> , 2020 , 11, 1097	17.4	33
4	Facile synthesis and Li-storage performance of SnO nanoparticles and microcrystals. <i>RSC Advances</i> , 2013 , 3, 3118	3.7	22
3	Ultrathin hexagonal hybrid nanosheets synthesized by graphene oxide-assisted exfoliation of FeCo(OH) ₂ mesocrystals. <i>Chemistry - A European Journal</i> , 2014 , 20, 12444-52	4.8	16
2	Dynamical spin injection at a quasi-one-dimensional ferromagnet-graphene interface. <i>Applied Physics Letters</i> , 2015 , 106, 032411	3.4	12
1	Co ²⁺ doped ZnO nanoflowers grown by hydrothermal method. <i>Journal of the Ceramic Society of Japan</i> , 2010 , 118, 333-336	1	11