

Joao Coelho

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.

40
papers

2,996
citations

20
h-index

43
g-index

43
ext. papers

3,563
ext. citations

11.4
avg, IF

4.77
L-index

#	Paper	IF	Citations
40	Scalable production of large quantities of defect-free few-layer graphene by shear exfoliation in liquids. <i>Nature Materials</i> , 2014 , 13, 624-30	27	1627
39	All-printed thin-film transistors from networks of liquid-exfoliated nanosheets. <i>Science</i> , 2017 , 356, 69-73	33.3	301
38	High areal capacity battery electrodes enabled by segregated nanotube networks. <i>Nature Energy</i> , 2019 , 4, 560-567	62.3	153
37	3D MXene Architectures for Efficient Energy Storage and Conversion. <i>Advanced Functional Materials</i> , 2020 , 30, 2000842	15.6	132
36	Quantifying the factors limiting rate performance in battery electrodes. <i>Nature Communications</i> , 2019 , 10, 1933	17.4	114
35	Effect of percolation on the capacitance of supercapacitor electrodes prepared from composites of manganese dioxide nanoplatelets and carbon nanotubes. <i>ACS Nano</i> , 2014 , 8, 9567-79	16.7	82
34	Structural studies of lead lithium borate glasses doped with silver oxide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 86, 392-8	4.4	57
33	Synthesis and characterization of HAp nanorods from a cationic surfactant template method. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 2543-9	4.5	40
32	A 2D graphene-manganese oxide nanosheet hybrid synthesized by a single step liquid-phase co-exfoliation method for supercapacitor applications. <i>Electrochimica Acta</i> , 2015 , 174, 696-705	6.7	39
31	Quantifying the Effect of Electronic Conductivity on the Rate Performance of Nanocomposite Battery Electrodes. <i>ACS Applied Energy Materials</i> , 2020 , 3, 2966-2974	6.1	34
30	A study of the charge storage properties of a MoSe ₂ nanoplatelets/SWCNTs electrode in a Li-ion based electrolyte. <i>Electrochimica Acta</i> , 2016 , 192, 1-7	6.7	33
29	Samarium doped glass-reinforced hydroxyapatite with enhanced osteoblastic performance and antibacterial properties for bone tissue regeneration. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 5872-5881	7.3	32
28	Low-temperature synthesis and investigation into the formation mechanism of high quality Ni-Fe layered double hydroxides hexagonal platelets. <i>Scientific Reports</i> , 2018 , 8, 4179	4.9	31
27	Structural studies of lithium boro tellurite glasses doped with praseodymium and samarium oxides. <i>Materials Research Bulletin</i> , 2012 , 47, 3489-3494	5.1	29
26	Lasing transition (4F _{3/2} -4I _{11/2}) at 1.06 μ m in neodymium oxide doped lithium boro tellurite glass. <i>Physica B: Condensed Matter</i> , 2010 , 405, 4696-4701	2.8	29
25	Improving the performance of porous nickel foam for water oxidation using hydrothermally prepared Ni and Fe metal oxides. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 207-216	5.8	28
24	Quantifying the Trade-Off between Absolute Capacity and Rate Performance in Battery Electrodes. <i>Advanced Energy Materials</i> , 2019 , 9, 1901359	21.8	28

23	Luminescence and decay trends for NIR transition (4I13/2-4I15/2) at 1.5 μ m in Er ³⁺ -doped LBT glasses. <i>Optical Materials</i> , 2011 , 33, 1167-1173	3.3	25
22	Manganese oxide nanosheets and a 2D hybrid of graphene/manganese oxide nanosheets synthesized by liquid-phase exfoliation. <i>2D Materials</i> , 2015 , 2, 025005	5.9	22
21	Atomic scale dynamics of a solid state chemical reaction directly determined by annular dark-field electron microscopy. <i>Scientific Reports</i> , 2014 , 4, 7555	4.9	20
20	Liquid Exfoliated SnP ₃ Nanosheets for Very High Areal Capacity Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2002364	21.8	17
19	An investigation of the energy storage properties of a 2D β -MoO ₃ -SWCNTs composite films. <i>2D Materials</i> , 2017 , 4, 015005	5.9	15
18	Lithium Titanate/Carbon Nanotubes Composites Processed by Ultrasound Irradiation as Anodes for Lithium Ion Batteries. <i>Scientific Reports</i> , 2017 , 7, 7614	4.9	12
17	Two-dimensional material inks. <i>Nature Reviews Materials</i> ,	73.3	11
16	Using chronoamperometry to rapidly measure and quantitatively analyse rate-performance in battery electrodes. <i>Journal of Power Sources</i> , 2020 , 468, 228220	8.9	9
15	Development and Characterization of Ag ₂ O-Doped ZnLB Glasses and Biological Assessment of Ag ₂ O/ZnLB/Hydroxyapatite Composites. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 2732-2740	3.8	8
14	Quantifying the Dependence of Battery Rate Performance on Electrode Thickness. <i>ACS Applied Energy Materials</i> , 2020 , 3, 10154-10163	6.1	8
13	An outlook on printed microsupercapacitors: Technology status, remaining challenges, and opportunities. <i>Current Opinion in Electrochemistry</i> , 2020 , 21, 69-75	7.2	7
12	Structural and time resolved emission spectra of Er ³⁺ : Silver lead borate glass. <i>Chemical Physics Letters</i> , 2011 , 512, 70-75	2.5	7
11	Development and Characterization of Lanthanides Doped Hydroxyapatite Composites for Bone Tissue Application 2013 , 87-115		7
10	Laser-Induced Graphene on Paper toward Efficient Fabrication of Flexible, Planar Electrodes for Electrochemical Sensing. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2101502	4.6	6
9	EELS probing of lithium based 2-D battery compounds processed by liquid phase exfoliation. <i>Nano Energy</i> , 2016 , 30, 18-26	17.1	6
8	Solvent engineered synthesis of layered SnO for high-performance anodes. <i>Npj 2D Materials and Applications</i> , 2021 , 5,	8.8	4
7	Synthesis of layered platelets by self-assembly of rhenium-based clusters directed by long-chain amines. <i>Npj 2D Materials and Applications</i> , 2017 , 1,	8.8	3
6	Inclusion of 2D Transition Metal Dichalcogenides in Perovskite Inks and Their Influence on Solar Cell Performance. <i>Nanomaterials</i> , 2021 , 11,	5.4	3

5	Postsynthetic treatment of nickel-iron layered double hydroxides for the optimum catalysis of the oxygen evolution reaction. <i>Npj 2D Materials and Applications</i> , 2021 , 5,	8.8	2
4	EELS Probing of Lithium Based 2-D Battery Compounds Processed by Liquid Phase Exfoliation. <i>Microscopy and Microanalysis</i> , 2017 , 23, 1984-1985	0.5	
3	Luminescence and Time-Resolved Emission Spectra of Nd ³⁺ and Er ³⁺ : Silver Zinc Borate Glasses. <i>Solid State Phenomena</i> , 2013 , 207, 37-53	0.4	
2	Microstructural Characterization of Manganese Oxides Supercapacitors based on Liquid-phase Exfoliated for Energy Storage Applications. <i>Microscopy and Microanalysis</i> , 2013 , 19, 1530-1531	0.5	
1	Synthesis and Advanced Characterisation of Layered Platelets by Self-assembly of Long-chain Amines. <i>Microscopy and Microanalysis</i> , 2018 , 24, 1566-1567	0.5	