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List of Publications by Year
in descending order

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23 papers	1,024 citations	471509 17 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	1523 citing authors

#	Article	IF	Citations
1	High-Performance Asymmetric Supercapacitors of MnCo₂O₄ Nanofibers and N-Doped Reduced Graphene Oxide Aerogel. ACS Applied Materials & Interfaces, 2016, 8, 34045-34053.	8.0	193
2	N-doped reduced graphene oxide aerogel coated on carboxyl-modified carbon fiber paper for high-performance ionic-liquid supercapacitors. Carbon, 2016, 102, 455-461.	10.3	145
3	Charge storage mechanisms of manganese oxide nanosheets and N-doped reduced graphene oxide aerogel for high-performance asymmetric supercapacitors. Scientific Reports, 2016, 6, 37560.	3.3	85
4	High-Performance Supercapacitor of Functionalized Carbon Fiber Paper with High Surface Ionic and Bulk Electronic Conductivity: Effect of Organic Functional Groups. Electrochimica Acta, 2015, 176, 504-513.	5.2	74
5	Water friction in nanofluidic channels made from two-dimensional crystals. Nature Communications, 2021, 12, 3092.	12.8	59
6	Insight into charge storage mechanisms of layered MnO 2 nanosheets for supercapacitor electrodes: In situ electrochemical X-ray absorption spectroscopy. Electrochimica Acta, 2017, 249, 26-32.	5.2	56
7	Capacitance of Basal Plane and Edge-Oriented Highly Ordered Pyrolytic Graphite: Specific Ion Effects. Journal of Physical Chemistry Letters, 2019, 10, 617-623.	4.6	50
8	Tunable charge/size selective ion sieving with ultrahigh water permeance through laminar graphene membranes. Carbon, 2020, 156, 119-129.	10.3	41
9	Enhancing the charge-storage performance of N -doped reduced graphene oxide aerogel supercapacitors by adsorption of the cationic electrolytes with single-stand deoxyribonucleic acid. Carbon, 2016, 109, 314-320.	10.3	36
10	Understanding the electrochemistry of â€œwater-in-saltâ€•electrolytes: basal plane highly ordered pyrolytic graphite as a model system. Chemical Science, 2020, 11, 6978-6989.	7.4	36
11	Hybrid Energy Storage of Ni(OH)2-coated N-doped Graphene Aerogel//N-doped Graphene Aerogel for the Replacement of NiCd and NiMH Batteries. Scientific Reports, 2017, 7, 1124.	3.3	35
12	Controlling the flake size of bifunctional 2D WSe₂ nanosheets as flexible binders and supercapacitor materials. Nanoscale Advances, 2021, 3, 653-660.	4.6	30
13	Electrochemical intercalation of MoO3-MoS2 composite electrodes: Charge storage mechanism of non-hydrated cations. Electrochimica Acta, 2019, 307, 176-187.	5.2	29
14	Hybrid energy storage of battery-type nickel hydroxide and supercapacitor-type graphene: redox additive and charge storage mechanism. Sustainable Energy and Fuels, 2017, 1, 275-279.	4.9	25
15	High-performance supercapacitors of carboxylate-modified hollow carbon nanospheres coated on flexible carbon fibre paper: Effects of oxygen-containing group contents, electrolytes and operating temperature. Electrochimica Acta, 2017, 238, 64-73.	5.2	23
16	Potential dependent ionic sieving through functionalized laminar MoS₂ membranes. 2D Materials, 2020, 7, 015030.	4.4	21
17	High-performance supercapacitor of electrodeposited porous 3D polyaniline nanorods on functionalized carbon fiber paper: Effects of hydrophobic and hydrophilic surfaces of conductive carbon paper substrates. Materials Today Communications, 2015, 4, 176-185.	1.9	19
18	Scalable 18,650 aqueous-based supercapacitors using hydrophobicity concept of anti-corrosion graphite passivation layer. Scientific Reports, 2021, 11, 13082.	3.3	12

#	Article	IF	Citations
19	The electrochemistry of size dependent graphene via liquid phase exfoliation: capacitance and ionic transport. Physical Chemistry Chemical Physics, 2021, 23, 11616-11623.	2.8	11
20	Insights into binding mechanisms of size-selected graphene binders for flexible and conductive porous carbon electrodes. Electrochimica Acta, 2022, 403, 139696.	5.2	11
21	Auto-oxidation of exfoliated MoS₂ in N-methyl-2-pyrrolidone: from 2D nanosheets to 3D nanorods. New Journal of Chemistry, 2022, 46, 747-755.	2.8	9
22	A Review: Ion Transport of Two-Dimensional Materials in Novel Technologies from Macro to Nanoscopic Perspectives. Energies, 2021, 14, 5819.	3.1	7
23	Applications to water transport systems: general discussion. Faraday Discussions, 2018, 209, 389-414.	3.2	4