Andinet Ejigu

List of Publications by Year
in descending order

24	879	471509 17	677142 22
papers	citations	h-index	g-index

24	24	24	1390
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A simple electrochemical route to metallic phase trilayer MoS₂: evaluation as electrocatalysts and supercapacitors. Journal of Materials Chemistry A, 2017, 5, 11316-11330.	10.3	119
2	Synergistic Catalystâ€“Support Interactions in a Grapheneâ€“Mn₃O₄Electrocatalyst for Vanadium Redox Flow Batteries. ACS Catalysis, 2015, 5, 7122-7130.	11.2	112
3	Single Stage Simultaneous Electrochemical Exfoliation and Functionalization of Graphene. ACS Applied Materials & Interfaces, 2017, 9, 710-721.	8.0	62
4	Hydrogen Oxidation and Oxygen Reduction at Platinum in Protic Ionic Liquids. Journal of Physical Chemistry C, 2012, 116, 18048-18056.	3.1	49
5	Room temperature ionic liquid electrolytes for redox flow batteries. Electrochemistry Communications, 2015, 54, 55-59.	4.7	49
6	Iodide/triiodide electrochemistry in ionic liquids: Effect of viscosity on mass transport, voltammetry and scanning electrochemical microscopy. Electrochimica Acta, 2011, 56, 10313-10320.	5.2	47
7	Kinetics and mechanism of oxygen reduction in a protic ionic liquid. Physical Chemistry Chemical Physics, 2013, 15, 7548.	2.8	43
8	On the diffusion of ferrocenemethanol in room-temperature ionic liquids: an electrochemical study. Physical Chemistry Chemical Physics, 2011, 13, 10155.	2.8	41
9	The Role of Adsorbed Ions during Electrocatalysis in Ionic Liquids. Journal of Physical Chemistry C, 2014, 118, 7414-7422.	3.1	40
10	Electrochemically Exfoliated Graphene Electrode for High-Performance Rechargeable Chloroaluminate and Dual-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 23261-23270.	8.0	40
11	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
12	Moringa stenopetala seed oil as a potential feedstock for biodiesel production in Ethiopia. Green Chemistry, 2010, 12, 316.	9.0	32
13	On the Role of Transition Metal Salts During Electrochemical Exfoliation of Graphite: Antioxidants or Metal Oxide Decorators for Energy Storage Applications. Advanced Functional Materials, 2018, 28, 1804357.	14.9	32
14	Optimisation of electrolytic solvents for simultaneous electrochemical exfoliation and functionalisation of graphene with metal nanostructures. Carbon, 2018, 128, 257-266.	10.3	30
15	Electrocatalytic oxidation of methanol and carbon monoxide at platinum in protic ionic liquids. Electrochemistry Communications, 2012, 23, 122-124.	4.7	26
16	The 13 Principles of Green Chemistry and Engineering for a Greener Africa. Green Chemistry, 2011, 13, 1059.	9.0	23
17	Optimization of Electrolytes for High-Performance Aqueous Aluminum-Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 25232-25245.	8.0	22
18	Reversible Electrochemical Energy Storage Based on Zinc-Halide Chemistry. ACS Applied Materials & Interfaces, 2021, 13, 14112-14121.	8.0	18

#	Article	IF	Citations
19	The Formation and Role of Oxide Layers on Pt during Hydrazine Oxidation in Protic Ionic Liquids. ChemElectroChem, 2014, 1, 281-288.	3.4	16
20	High temperature supercapacitors using water-in-salt electrolytes: stability above 100 Â°C. Chemical Communications, 2021, 57, 5294-5297.	4.1	14
21	Developing energy efficient lignin biomass processing â€“ towards understanding mediator behaviour in ionic liquids. Faraday Discussions, 2016, 190, 127-145.	3.2	13
22	Nanoscale Chevrel-Phase Mo₆S₈ Prepared by a Molecular Precursor Approach for Highly Efficient Electrocatalysis of the Hydrogen Evolution Reaction in Acidic Media. ACS Applied Energy Materials, 2021, 4, 13015-13026.	5.1	12
23	Electrocatalysis in Room Temperature Ionic Liquids. , 2015, , 483-506.		3
24	Electrochemical Exfoliation: On the Role of Transition Metal Salts During Electrochemical Exfoliation of Graphite: Antioxidants or Metal Oxide Decorators for Energy Storage Applications (Adv. Funct. Mater. 48/2018). Advanced Functional Materials, 2018, 28, 1870345.	14.9	0