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	Optimization of Electrolytes for High-Performance Aqueous Aluminum-Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 25232-25245.	8.0	22
2	High temperature supercapacitors using water-in-salt electrolytes: stability above 100 Â°C. Chemical Communications, 2021, 57, 5294-5297.	4.1	14
3	Reversible Electrochemical Energy Storage Based on Zinc-Halide Chemistry. ACS Applied Materials & Interfaces, 2021, 13, 14112-14121.	8.0	18
4	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
5	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
6	Electrochemically Exfoliated Graphene Electrode for High-Performance Rechargeable Chloroaluminate and Dual-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 23261-23270.	8.0	40
7	Optimisation of electrolytic solvents for simultaneous electrochemical exfoliation and functionalisation of graphene with metal nanostructures. Carbon, 2018, 128, 257-266.	10.3	30
8	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
9	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
10	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
11	Single Stage Simultaneous Electrochemical Exfoliation and Functionalization of Graphene. ACS Applied Materials & Interfaces, 2017, 9, 710-721.	8.0	62
12	Developing energy efficient lignin biomass processing â€“ towards understanding mediator behaviour in ionic liquids. Faraday Discussions, 2016, 190, 127-145.	3.2	13
13	Room temperature ionic liquid electrolytes for redox flow batteries. Electrochemistry Communications, 2015, 54, 55-59.	4.7	49
14	Electrocatalysis in Room Temperature Ionic Liquids. , 2015, , 483-506.		3
15	Synergistic Catalystâ€“Support Interactions in a Grapheneâ€“Mn₃O₄Electrocatalyst for Vanadium Redox Flow Batteries. ACS Catalysis, 2015, 5, 7122-7130.	11.2	112
16	The Formation and Role of Oxide Layers on Pt during Hydrazine Oxidation in Protic Ionic Liquids. ChemElectroChem, 2014, 1, 281-288.	3.4	16
17	The Role of Adsorbed Ions during Electrocatalysis in Ionic Liquids. Journal of Physical Chemistry C, 2014, 118, 7414-7422.	3.1	40
18	Kinetics and mechanism of oxygen reduction in a protic ionic liquid. Physical Chemistry Chemical Physics, 2013, 15, 7548.	2.8	43

#	Article	IF	Citations
19	Electrocatalytic oxidation of methanol and carbon monoxide at platinum in protic ionic liquids. Electrochemistry Communications, 2012, 23, 122-124.	4.7	26
20	Hydrogen Oxidation and Oxygen Reduction at Platinum in Protic Ionic Liquids. Journal of Physical Chemistry C, 2012, 116, 18048-18056.	3.1	49
21	On the diffusion of ferrocenemethanol in room-temperature ionic liquids: an electrochemical study. Physical Chemistry Chemical Physics, 2011, 13, 10155.	2.8	41
22	The 13 Principles of Green Chemistry and Engineering for a Greener Africa. Green Chemistry, 2011, 13, 1059.	9.0	23
23	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
24	Moringa stenopetala seed oil as a potential feedstock for biodiesel production in Ethiopia. Green Chemistry, 2010, 12, 316.	9.0	32