

Muhammad Asif

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6071530/publications.pdf>

Version: 2024-02-01

60
papers

3,836
citations

159585

30
h-index

133252

59
g-index

61
all docs

61
docs citations

61
times ranked

3490
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating role of ammonia in nitrogen-doping and suppressing polyselenide shuttle effect in Na-Se batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 641-650.	9.4	8
2	Exploration of molecular mechanisms responsible for anti-inflammatory and anti-angiogenic attributes of methanolic extract of <i>Viola betonicifolia</i> . <i>Inflammopharmacology</i> , 2022, 30, 1459-1474.	3.9	4
3	Understanding the low temperature electrochemistry of magnesium-lithium hybrid ion battery in all-phenyl-complex solutions. <i>Journal of Energy Chemistry</i> , 2021, 56, 383-390.	12.9	19
4	Recycling Biowaste to Synthesize Nitrogen-Doped Highly Porous Activated Carbon Scaffolds for Selenium Stuffing with Superior Electrochemical Properties. <i>ACS Applied Energy Materials</i> , 2021, 4, 2786-2796.	5.1	6
5	Solid-state synthesis of nitrogen-doped graphitic nanotubes with outstanding electrochemical properties. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103113.	4.9	1
6	Carbon Nanocoil-Supported Three-Dimensional Structure of Nickel-Cobalt Nitrides as the Electrode Material for Supercapacitors. <i>ACS Applied Energy Materials</i> , 2021, 4, 6678-6687.	5.1	12
7	Uncovering electrochemistries of rechargeable magnesium-ion batteries at low and high temperatures. <i>Energy Storage Materials</i> , 2021, 42, 129-144.	18.0	28
8	Controlled synthesis of hierarchical porous carbons with different morphologies and their application for potassium and lithium ion batteries. <i>New Journal of Chemistry</i> , 2021, 45, 9882-9891.	2.8	3
9	Recent advances in electrolytes and cathode materials for magnesium and hybrid-ion batteries. <i>Energy Storage Materials</i> , 2020, 25, 342-375.	18.0	112
10	Synthesis of ternary metal oxides as positive electrodes for Mg-Li hybrid ion batteries. <i>Nanoscale</i> , 2020, 12, 924-932.	5.6	31
11	Surface modification of tin oxide through reduced graphene oxide as a highly efficient cathode material for magnesium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 818-828.	9.4	25
12	SnO ₂ nanoparticles anchored on carbon foam as a freestanding anode for high performance potassium-ion batteries. <i>Energy and Environmental Science</i> , 2020, 13, 571-578.	30.8	143
13	Simple synthesis of graphitic nanotube incorporated cobalt nanoparticles for potassium ion batteries. <i>Ceramics International</i> , 2020, 46, 8862-8868.	4.8	13
14	Transition metal chalcogenide anodes for sodium storage. <i>Materials Today</i> , 2020, 35, 131-167.	14.2	186
15	Effect of Multiwalled Carbon Nanotubes on Elevated Temperature Tensile and Wear Behavior of Al ₂₀₂₄ Matrix Composites Fabricated by Stir Casting and Hot Extrusion. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 5227-5237.	2.5	20
16	Debating the magnesium-selenium battery technology. <i>Journal of Magnesium and Alloys</i> , 2020, 8, 980-988.	11.9	14
17	Electrochemical intercalations of divalent ions inside Ni/Zn co-doped cobalt sulfide nanoparticle decorated carbon spheres with superior capacity. <i>Nanoscale</i> , 2020, 12, 14267-14278.	5.6	19
18	Quest for carbon and vanadium oxide based rechargeable magnesium-ion batteries. <i>Journal of Magnesium and Alloys</i> , 2020, 8, 364-373.	11.9	40

#	ARTICLE	IF	CITATIONS
19	Confined Polysulfide Shuttle by Nickel Disulfide Nanoparticles Encapsulated in Graphene Nanoshells Synthesized by Cooking Oil. ACS Applied Energy Materials, 2020, 3, 3541-3552.	5.1	14
20	Reduced holey graphene oxide film and carbon nanotubes sandwich structure as a binder-free electrode material for supercapacitor. Scientific Reports, 2020, 10, 2315.	3.3	30
21	Quest for magnesium-sulfur batteries: Current challenges in electrolytes and cathode materials developments. Coordination Chemistry Reviews, 2020, 415, 213312.	18.8	43
22	Binaryâ€Metal Selenides: General Approach to Produce Nanostructured Binary Transition Metal Selenides as Highâ€Performance Sodium Ion Battery Anodes (Small 33/2019). Small, 2019, 15, 1970176.	10.0	16
23	Stable lithium metal anode enabled by lithium metal partial alloying. Nano Energy, 2019, 65, 103989.	16.0	73
24	General Approach to Produce Nanostructured Binary Transition Metal Selenides as Highâ€Performance Sodium Ion Battery Anodes. Small, 2019, 15, e1901995.	10.0	52
25	3D Porous Cu Current Collectors Derived by Hydrogen Bubble Dynamic Template for Enhanced Li Metal Anode Performance. Advanced Functional Materials, 2019, 29, 1808468.	14.9	130
26	Low-Cost Room-Temperature Synthesis of NaV ₃ O ₈ ·1.69H ₂ O Nanobelts for Mg Batteries. ACS Applied Materials & Interfaces, 2018, 10, 4757-4766.	8.0	48
27	Cobalt selenide decorated carbon spheres for excellent cycling performance of sodium ion batteries. Energy Storage Materials, 2018, 13, 19-28.	18.0	148
28	Ni-doped MnO ₂ /CNT nanoarchitectures as a cathode material for ultra-long life magnesium/lithium hybrid ion batteries. Materials Today Energy, 2018, 10, 108-117.	4.7	48
29	Hierarchically Porous Fe ₂ CoSe ₄ Binaryâ€Metal Selenide for Extraordinary Rate Performance and Durable Anode of Sodiumâ€Ion Batteries. Advanced Materials, 2018, 30, e1802745.	21.0	201
30	Facile synthesis of novel octopus-like carbon nanostructures by chemical vapor deposition. Diamond and Related Materials, 2017, 74, 145-153.	3.9	4
31	Facile fabrication of polyaniline@ ³ -MnOOH on a buckypaper ternary composite electrode for free-standing supercapacitors. RSC Advances, 2017, 7, 44523-44530.	3.6	15
32	Corrosion behavior of magnesium-graphene composites in sodium chloride solutions. Journal of Magnesium and Alloys, 2017, 5, 271-276.	11.9	87
33	Facile Synthesis of A Unique Structure: CuOx@C Bead-Like Nanowire Array and Its Electrochemical Performance. Electrochimica Acta, 2016, 210, 111-116.	5.2	5
34	Improved performance of a MnO ₂ @PANI nanocomposite synthesized on 3D graphene as a binder free electrode for supercapacitors. RSC Advances, 2016, 6, 46100-46107.	3.6	24
35	Synthesis of a highly efficient 3D grapheneâ€CNTâ€MnO ₂ @PANI nanocomposite as a binder free electrode material for supercapacitors. Physical Chemistry Chemical Physics, 2016, 18, 26854-26864.	2.8	25
36	High temperature formability of graphene nanoplatelets-AZ31 composites fabricated by stir-casting method. Journal of Magnesium and Alloys, 2016, 4, 270-277.	11.9	80

#	ARTICLE	IF	CITATIONS
37	Controlled synthesis of carbon nanocoils on monolayered silica spheres. <i>Carbon</i> , 2016, 99, 43-48.	10.3	8
38	Highly efficient synthesis of carbon nanocoils on alumina spheres. <i>RSC Advances</i> , 2016, 6, 30125-30129.	3.6	9
39	Enhanced electrochemical supercapacitor properties with synergistic effect of polyaniline, graphene and Ag O. <i>Applied Surface Science</i> , 2016, 370, 297-305.	6.1	28
40	High temperature mechanical behavior of AZ61 magnesium alloy reinforced with graphene nanoplatelets. <i>Materials and Design</i> , 2016, 89, 1242-1250.	7.0	95
41	Exploring mechanical behavior of Mg-6Zn alloy reinforced with graphene nanoplatelets. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 649, 263-269.	5.6	105
42	ANTIDIABETIC AND ANTIDYSLIPIDEMIC EFFECTS OF HELIOTROPILUM STRIGOSUM IN RAT MODELS OF TYPE I AND TYPE II DIABETES. <i>Acta Poloniae Pharmaceutica</i> , 2016, 73, 1575-1586.	0.1	2
43	Nickel foam-graphene/MnO ₂ /PANI nanocomposite based electrode material for efficient supercapacitors. <i>Journal of Materials Research</i> , 2015, 30, 3192-3200.	2.6	28
44	Growth of a Carbon Micro and Nanocoils Mixture using NiSO ₄ as the Catalyst Precursor. <i>Chemical Vapor Deposition</i> , 2015, 21, 78-83.	1.3	5
45	Investigation on microstructural, mechanical and electrochemical properties of aluminum composites reinforced with graphene nanoplatelets. <i>Progress in Natural Science: Materials International</i> , 2015, 25, 460-470.	4.4	171
46	Thickness Controlled Water Vapors Assisted Growth of Multilayer Graphene by Ambient Pressure Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3079-3089.	3.1	37
47	Enhanced tensile properties of magnesium composites reinforced with graphene nanoplatelets. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 630, 36-44.	5.6	167
48	Effect of alumina and silicon carbide hybrid reinforcements on tensile, compressive and microhardness behavior of Mg-3Al-1Zn alloy. <i>Materials Characterization</i> , 2015, 106, 382-389.	4.4	65
49	Room temperature mechanical properties of Mg-Cu-Al alloys synthesized using powder metallurgy method. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 644, 129-136.	5.6	31
50	Use of high energy ball milling to study the role of graphene nanoplatelets and carbon nanotubes reinforced magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2015, 646, 223-232.	5.5	113
51	Improved mechanical properties of magnesium based composites with titanium-aluminum hybrids. <i>Journal of Magnesium and Alloys</i> , 2015, 3, 1-9.	11.9	72
52	Development of magnesium-graphene nanoplatelets composite. <i>Journal of Composite Materials</i> , 2015, 49, 285-293.	2.4	121
53	Enhanced ductility of Mg-3Al-1Zn alloy reinforced with short length multi-walled carbon nanotubes using a powder metallurgy method. <i>Progress in Natural Science: Materials International</i> , 2015, 25, 276-281.	4.4	31
54	Improved strength and ductility of magnesium with addition of aluminum and graphene nanoplatelets (Al+GNPs) using semi powder metallurgy method. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 23, 243-250.	5.8	133

#	ARTICLE	IF	CITATIONS
55	Synergetic effect of graphene nanoplatelets (GNPs) and multi-walled carbon nanotube (MW-CNTs) on mechanical properties of pure magnesium. <i>Journal of Alloys and Compounds</i> , 2014, 603, 111-118.	5.5	209
56	Improving properties of Mg with Al-Cu additions. <i>Materials Characterization</i> , 2014, 95, 140-147.	4.4	22
57	Effect of Graphene Nanoplatelets addition on mechanical properties of pure aluminum using a semi-powder method. <i>Progress in Natural Science: Materials International</i> , 2014, 24, 101-108.	4.4	366
58	Powder metallurgy of Mg-1%Al-1%Sn alloy reinforced with low content of graphene nanoplatelets (GNPs). <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 4250-4255.	5.8	142
59	Effect of graphene nanoplatelets (GNPs) addition on strength and ductility of magnesium-titanium alloys. <i>Journal of Magnesium and Alloys</i> , 2013, 1, 242-248.	11.9	135
60	Antidiabetic activity of aqueous extract of <i>Sigesbeckia orientalis</i> (St. Paul's Wort) in alloxan-induced diabetes model. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 0, 55, .	1.2	7