

Mohammad Safi Rahmanifar

List of Publications by Year in descending order

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41
papers

4,042
citations

218677

26
h-index

276875

41
g-index

42
all docs

42
docs citations

42
times ranked

4715
citing authors

#	ARTICLE	IF	CITATIONS
1	Trilayer Metal-Organic Frameworks as Multifunctional Electrocatalysts for Energy Conversion and Storage Applications. <i>Journal of the American Chemical Society</i> , 2022, 144, 3411-3428.	13.7	142
2	Laser-Scribed Graphene-Polyaniline Microsupercapacitor for Internet of Things Applications. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	27
3	Bioinspired polydopamine supported on oxygen-functionalized carbon cloth as a high-performance 1.2 V aqueous symmetric metal-free supercapacitor. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7712-7725.	10.3	20
4	The ordered mesoporous carbon nitride-graphene aerogel nanocomposite for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2021, 494, 229741.	7.8	34
5	In Situ Growth of Ni-Zn-Fe Layered Double Hydroxide on Graphene Aerogel: An Advanced Two-in-One Material for Both the Anode and Cathode of Supercapacitors. <i>Energy Technology</i> , 2021, 9, 2100645.	3.8	5
6	Polyaniline-Lignin Interpenetrating Network for Supercapacitive Energy Storage. <i>Nano Letters</i> , 2021, 21, 9485-9493.	9.1	45
7	Effects of Increasing Acoustic Power at a Small-Diameter Ultrasonic Horn Tip on the Synthesis and Characteristics of MnO ₂ Nanoparticles. <i>Journal of the Korean Physical Society</i> , 2020, 77, 153-160.	0.7	0
8	Exploration of Advanced Electrode Materials for Approaching High-Performance Nickel-Based Superbatteries. <i>Small</i> , 2020, 16, e2001340.	10.0	26
9	Nile Blue Functionalized Graphene Aerogel as a Pseudocapacitive Negative Electrode Material across the Full pH Range. <i>ACS Nano</i> , 2019, 13, 12567-12576.	14.6	66
10	Synthesis of MnO ₂ Nanoparticles in the Presence and Absence of Ultrasonic Irradiation. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2019, 43, 2619-2626.	1.5	3
11	Towards establishing standard performance metrics for batteries, supercapacitors and beyond. <i>Chemical Society Reviews</i> , 2019, 48, 1272-1341.	38.1	824
12	Asymmetric supercapacitors: An alternative to activated carbon negative electrodes based on earth abundant elements. <i>Materials Today Energy</i> , 2019, 12, 26-36.	4.7	63
13	A dual Ni/Co-MOF-reduced graphene oxide nanocomposite as a high performance supercapacitor electrode material. <i>Electrochimica Acta</i> , 2018, 275, 76-86.	5.2	264
14	An integrated electrochemical device based on earth-abundant metals for both energy storage and conversion. <i>Energy Storage Materials</i> , 2018, 11, 282-293.	18.0	82
15	The use of an electrocatalytic redox electrolyte for pushing the energy density boundary of a flexible polyaniline electrode to a new limit. <i>Nano Energy</i> , 2018, 44, 489-498.	16.0	105
16	Facile synthesis of copper hexacyanoferrate/graphene nanocomposite for electrochemical energy storage. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4615.	3.5	15
17	Thionine Functionalized 3D Graphene Aerogel: Combining Simplicity and Efficiency in Fabrication of a Metal-Free Redox Supercapacitor. <i>Advanced Energy Materials</i> , 2018, 8, 1802869.	19.5	153
18	Synergistic effect between redox additive electrolyte and PANI-rGO nanocomposite electrode for high energy and high power supercapacitor. <i>Electrochimica Acta</i> , 2017, 228, 290-298.	5.2	85

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19	Enhancing the cycle life of Lead-Acid batteries by modifying negative grid surface. <i>Electrochimica Acta</i> , 2017, 235, 10-18.	5.2	25
20	A wide potential window aqueous supercapacitor based on LiMn ₂ O ₄ /rGO nanocomposite. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 2579-2590.	2.2	15
21	Synthesis of NiMnO ₃ /C nano-composite electrode materials for electrochemical capacitors. <i>Nanotechnology</i> , 2016, 27, 315401.	2.6	51
22	Fabrication of high power LiNi _{0.5} Mn _{1.5} O ₄ battery cathodes by nanostructuring of electrode materials. <i>RSC Advances</i> , 2015, 5, 50433-50439.	3.6	12
23	Designing 3D Highly Ordered Nanoporous CuO Electrodes for High-Performance Asymmetric Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4851-4860.	8.0	340
24	Electrodeposition of morphology- and size-tuned PbO ₂ nanostructures in the presence of PVP and their electrochemical studies. <i>Materials Chemistry and Physics</i> , 2015, 156, 121-128.	4.0	29
25	Electrophoretic deposition of multi-walled carbon nanotubes on porous anodic aluminum oxide using ionic liquid as a dispersing agent. <i>Applied Surface Science</i> , 2015, 341, 109-119.	6.1	26
26	Highly Ordered Mesoporous CuCo ₂ O ₄ Nanowires, a Promising Solution for High-Performance Supercapacitors. <i>Chemistry of Materials</i> , 2015, 27, 3919-3926.	6.7	353
27	Morphologically controlled preparation of CuO nanostructures under ultrasound irradiation and their evaluation as pseudocapacitor materials. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 643-652.	8.2	47
28	Facile synthesis of nanostructured CuCo ₂ O ₄ as a novel electrode material for high-rate supercapacitors. <i>Chemical Communications</i> , 2014, 50, 1972.	4.1	277
29	Supercapacitive properties of coiled carbon nanotubes directly grown on nickel nanowires. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17446-17453.	10.3	30
30	Fabrication of anchored copper oxide nanoparticles on graphene oxide nanosheets via an electrostatic coprecipitation and its application as supercapacitor. <i>Electrochimica Acta</i> , 2013, 88, 347-357.	5.2	355
31	High performance hybrid supercapacitor based on two nanostructured conducting polymers: Self-doped polyaniline and polypyrrole nanofibers. <i>Electrochimica Acta</i> , 2012, 78, 212-222.	5.2	169
32	Synthesis of micro and nanostructured MnO ₂ and their comparative study in lithium battery. <i>Journal of the Iranian Chemical Society</i> , 2012, 9, 389-395.	2.2	10
33	High performance battery-supercapacitor hybrid energy storage system based on self-doped polyaniline nanofibers. <i>Synthetic Metals</i> , 2011, 161, 2017-2023.	3.9	60
34	Change in morphology of polyaniline/graphite composite: A fractal dimension approach. <i>Synthetic Metals</i> , 2006, 156, 911-916.	3.9	29
35	Lead-acid batteries with foam grids. <i>Journal of Power Sources</i> , 2006, 158, 879-884.	7.8	28
36	A study on open circuit voltage reduction as a main drawback of Zn-polyaniline rechargeable batteries. <i>Synthetic Metals</i> , 2005, 155, 480-484.	3.9	34

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37	A PVC-Based Vanadyl Phosphate Membrane Potentiometric Sensor for Vanadyl Ions. Analytical Letters, 2004, 37, 203-212.	1.8	4
38	What is the limiting factor of the cycle-life of Zn-polyaniline rechargeable batteries?. Journal of Power Sources, 2004, 132, 296-301.	7.8	57
39	A PVC-based 1,8-diaminonaphthalen electrode for selective determination of vanadyl ion. Talanta, 2003, 60, 853-859.	5.5	12
40	Design of a New Dodecyl Sulfate-Selective Electrode Based on Conductive Polyaniline. Analytical Sciences, 2002, 18, 137-140.	1.6	36
41	Effect of self-doped polyaniline on performance of secondary Zn-polyaniline battery. Journal of Power Sources, 2002, 110, 229-232.	7.8	82