Leila Naji

List of Publications by Year
in descending order

47 papers	1,017 citations	361413 20 h-index	454955 30 g-index
47 all docs	47 docs citations	47 times ranked	949 citing authors

#	Article	IF	Citations
1	Nanocomposite proton exchange membranes based on Nafion containing Fe2TiO5 nanoparticles in water and alcohol environments for PEMFC. Journal of Membrane Science, 2014, 454, 74-81.	8.2	80
2	Ytterbium(III)-selective membrane electrode based on cefixime. Analytica Chimica Acta, 2003, 475, 59-66.	5.4	78
3	Preparation, characterization and properties of proton exchange nanocomposite membranes based on poly(vinyl alcohol) and poly(sulfonic acid)-grafted silica nanoparticles. International Journal of Hydrogen Energy, 2013, 38, 5473-5479.	7.1	65
4	The influence of fumed silica content and particle size in poly (amide 6-b-ethylene oxide) mixed matrix membranes for gas separation. Separation and Purification Technology, 2018, 199, 47-56.	7.9	54
5	Perchlorate-selective membrane sensors based on two nickel-hexaazamacrocycle complexes. Sensors and Actuators B: Chemical, 2007, 120, 494-499.	7.8	43
6	Fabrication of SGO/Nafion-based IPMC soft actuators with sea anemone-like Pt electrodes and enhanced actuation performance. Carbon, 2016, 100, 243-257.	10.3	42
7	Electrochemical and electromechanical behavior of Nafion-based soft actuators with PPy/CB/MWCNT nanocomposite electrodes. RSC Advances, 2017, 7, 3190-3203.	3.6	41
8	Highly Selective and Sensitive Perchlorate Sensors Based on Some Recently Synthesized Ni(II)-Hexaazacyclotetradecane Complexes. Electroanalysis, 2003, 15, 1476-1480.	2.9	35
9	Novel sulfate ion-selective polymeric membrane electrode based on a derivative of pyrilium perchlorate. Talanta, 2002, 58, 359-366.	5.5	34
10	The enhancement effect of lithium ions on actuation performance ofÂionic liquid-based IPMC soft actuators. Polymer, 2015, 76, 140-149.	3.8	31
11	Electrochemical behavior of a Nafionâ€membraneâ€based solidâ€state supercapacitor with a graphene oxideâ€"multiwalled carbon nanotubeâ€"polypyrrole nanocomposite. Journal of Applied Polymer Science, 2017, 134, .	2.6	31
12	3D structured polypyrrole/reduced graphene oxide (PPy/rGO)-based electrode ionic soft actuators with improved actuation performance. New Journal of Chemistry, 2018, 42, 12104-12118.	2.8	31
13	Controlling interlayer spacing of graphene oxide membrane in aqueous media using a biocompatible heterobifunctional crosslinker for Penicillin-G Procaine removal. Separation and Purification Technology, 2021, 263, 118392.	7.9	26
14	Magnetic resonance imaging study of a soft actuator element during operation. Soft Matter, 2008, 4, 1879.	2.7	25
15	The influence of electrodeposited PPy film morphology on the electrochemical characteristics of Nafion-based energy storage devices. Journal of Electroanalytical Chemistry, 2019, 836, 165-175.	3.8	25
16	Electrochemical investigation of gel polymer electrolytes based on poly(methyl methacrylate) and dimethylacetamide for application in Li-ion batteries. Chemical Papers, 2018, 72, 2289-2300.	2.2	24
17	Electromechanical behaviour of Nafion-based soft actuators. Journal of Materials Chemistry B, 2013, 1, 2502.	5.8	23
18	The effect of MWCNT content on electropolymerization of PPy film and electromechanical behavior of PPy electrode-based soft actuators. Journal of Electroanalytical Chemistry, 2017, 806, 136-149.	3.8	21

#	Article	IF	Citations
19	The influences of polyol process parameters on the optoelectronic characteristics of AgNWs-based flexible electrodes and their application in ITO-free polymer solar cells. Organic Electronics, 2018, 62, 621-629.	2.6	21
20	Systematic evaluation of factors influencing electrochemical and morphological characteristics of free-standing 3D graphene hydrogels as electrode material for supercapacitors. Electrochimica Acta, 2019, 301, 421-435.	5.2	20
21	Effect of bending deformation on photovoltaic performance of flexible graphene/Ag electrode-based polymer solar cells. RSC Advances, 2015, 5, 30889-30901.	3.6	19
22	Interface engineering of electrochemically deposited ZnO nanorods as electron transport layer in polymer solar cells using organic dyes. Materials Chemistry and Physics, 2021, 259, 124064.	4.0	17
23	In situ magnetic resonance imaging of electrically-induced water diffusion in a Nafion ionic polymer filmElectronic supplementary information (ESI) available: structure of Na-exchanged Nafion and schematic description of actuation mechanism of an electro-active polymer actuator device. See http://www.rsc.org/suppdata/cc/b3/b301039b/. Chemical Communications, 2003, , 962-963.	4.1	16
24	Surface roughness regulation of reduced-graphene oxide/iodine â€“ Based electrodes and their application in polymer solar cells. Journal of Colloid and Interface Science, 2019, 540, 272-284.	9.4	16
25	Time-Resolved Mapping of Water Diffusion Coefficients in a Working Soft Actuator Device. Journal of Physical Chemistry B, 2008, 112, 9761-9768.	2.6	15
26	Enhancing the photovoltaic performance of bulk heterojunction polymer solar cells by adding Rhodamine B laser dye as co-sensitizer. Journal of Colloid and Interface Science, 2018, 515, 139-151.	9.4	14
27	Influences of synthesis parameters on the physicochemical and electrochemical characteristics of reduced graphene oxide/Pt nanoparticles as hole transporting layer in polymer solar cells. Synthetic Metals, 2020, 263, 116366.	3.9	14
28	Electrochemical characterization of Li-ion conducting polyvinylidene fluoride/sulfonated graphene oxide nanocomposite polymer electrolyte membranes for lithium ion batteries. Journal of Membrane Science, 2021, 636, 119563.	8.2	13
29	The influence of electrodeposited conducting polymer electrode structure on the actuation performance of muscle-like ionic actuators. Sensors and Actuators A: Physical, 2018, 279, 204-215.	4.1	12
30	Electrochemical and Electromechanical Study of Carbon-Electrode-Based Ionic Soft Actuators. Industrial & Engineering Chemistry Research, 2018, 57, 795-806.	3.7	11
31	Nd:YAG pulsed laser production of reduced-graphene oxide as hole transporting layer in polymer solar cells and the influences of solvent type. Organic Electronics, 2020, 76, 105459.	2.6	11
32	Fabrication of high performance supercapacitors based on ethyl methyl imidazolium bis(trifluoromethylsulfonyl) imide (EMIMTFSI)-decorated reduced graphene oxide (rGO). Journal of Alloys and Compounds, 2022, 892, 162093.	5.5	11
33	Fabrication of non-fullerene P3HT/Agx-TiO2 based polymer solar cells with high open circuit voltage. Journal of Alloys and Compounds, 2017, 708, 1184-1194.	5.5	10
34	Synergistic effect of two complexing agents on the hydrothermal synthesis of self-supported ZnNiCo oxide as electrode material in supercapacitors. Journal of Electroanalytical Chemistry, 2021, 901, 115779.	3.8	9
35	Graphene oxide-assisted electrochemical growth of Ni(OH)2 nanoflowers on nickel foam as electrode material for high-performance supercapacitors. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 640, 128450.	4.7	9
36	Complex electrochemical study of reduced graphene oxide/Pt produced by Nd:YAG pulsed laser reduction as photo-anode in polymer solar cells. Journal of Electroanalytical Chemistry, 2021, 880, 114927.	3.8	8

#	Article	IF	Citations
37	Systematic study of influencing parameters on the in-situ electrochemical growth of three-dimensional graphene on carbon cloth for supercapacitor applications. Journal of Energy Storage, 2022, 49, 104146.	8.1	8
38	The influence of sulfonation level on the electrochemical characteristics of Pt/rSGO as electrocatalyst for proton exchange membrane fuels cells. Solid State Ionics, 2018, 326, 27-36.	2.7	7
39	Novel mesoporous Co₃O₄â€“Sb₂O₃â€“SnO₂ active material in high-performance capacitive deionization. RSC Advances, 2021, 12, 907-920.	3.6	7
40	Influence of electrolytes of <scp>L</scp>i salts, <scp>EMIMBF</scp>₄, and mixed phases on electrochemical and physical properties of <scp>N</scp>afion membrane. Journal of Applied Polymer Science, 2017, 134, 45239.	2.6	6
41	Influence of Pt Nanoparticle Electroless Deposition Parameters on the Electrochemical Characteristics of Nafion-Based Catalyst-Coated Membranes. Industrial & Engineering Chemistry Research, 2018, 57, 434-445.	3.7	6
42	Influences of sulfonation level on the nanofiltration performance of sulfonated graphene oxide polyamide nanocomposite membranes. Thin Solid Films, 2021, 728, 138688.	1.8	6
43	Influencing parameters on the electrochemical growth of V2O5 nanorods on ITO as interfacial layer in bulk heterojunction polymer solar cells. Materials Science in Semiconductor Processing, 2022, 139, 106333.	4.0	6
44	Fabrication of membrane electrode assembly based on nafion/sulfonated graphene oxide nanocomposite by electroless deposition for proton exchange membrane fuel cells. Surfaces and Interfaces, 2021, 23, 100925.	3.0	5
45	Synergetic effect of Ag/PVP on nonlinear optical characteristic of rGO transparent thin films. Optical and Quantum Electronics, 2018, 50, 1.	3.3	4
46	Comparative study of electrochemically-grown vanadium pentoxide nanostructures synthesized using differential pulse voltammetry, cyclic voltammetry, and chronoamperometry methods as the hole transport layer. Journal of Alloys and Compounds, 2022, 900, 163501.	5.5	4
47	Robust siloxane/graphene oxide thin film membranes: Siloxane size adjustment for improved separation performance and flux recovery. Korean Journal of Chemical Engineering, 2020, 37, 2232-2247.	2.7	3