

Mohammad Mahdi Ahadian

List of Publications by Year in descending order

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39
papers

1,380
citations

471061

17
h-index

329751

37
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39
all docs

39
docs citations

39
times ranked

1825
citing authors

#	ARTICLE	IF	CITATIONS
1	Binder-free 3D graphene nanostructures on Ni foam substrate for application in capacitive deionization. <i>Diamond and Related Materials</i> , 2021, 120, 108612.	1.8	11
2	Hyperthermia of breast cancer tumor using graphene oxide-cobalt ferrite magnetic nanoparticles in mice. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 65, 102680.	1.4	20
3	Fabrication of porous polyphosphate carbon composite on nickel foam as an efficient binder-less electrode for symmetric capacitive deionization. <i>Separation and Purification Technology</i> , 2021, 276, 119427.	3.9	6
4	Hyperthermia response of PEGylated magnetic graphene nanocomposites for heating applications and accelerate antibacterial activity using magnetic fluid hyperthermia. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	17
5	Cellulose Acetate/Magnetic Graphene Nanofiber in Enhanced Human Mesenchymal Stem Cells Osteogenic Differentiation Under Alternative Current Magnetic Field. <i>Spin</i> , 2019, 09, .	0.6	8
6	Antibacterial properties of nanoporous graphene oxide/cobalt metal organic framework. <i>Materials Science and Engineering C</i> , 2019, 104, 109862.	3.8	56
7	Model Fuel Deep Desulfurization Using Modified 3D Graphenic Adsorbents: Isotherm, Kinetic, and Thermodynamic Study. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 10341-10351.	1.8	20
8	Biocompatibility and Hyperthermia Efficiency of Sonochemically Synthesized Magnetic Nanoparticles. <i>Spin</i> , 2019, 09, .	0.6	4
9	Polyphosphate-reduced graphene oxide on Ni foam as a binder free electrode for fabrication of high performance supercapacitor. <i>Electrochimica Acta</i> , 2019, 296, 130-141.	2.6	17
10	Molecular interaction between three-dimensional graphene aerogel and enzyme solution: Effect on enzyme structure and function. <i>Journal of Molecular Liquids</i> , 2018, 265, 565-571.	2.3	12
11	Photoluminescence and electrochemical investigation of curcumin-reduced graphene oxide sheets. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 351-357.	1.2	10
12	Heat transfer of PEGylated cobalt ferrite nanofluids for magnetic fluid hyperthermia therapy: In vitro cellular study. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 462, 185-194.	1.0	40
13	Novel synthesis of cobalt/poly vinyl alcohol/gamma alumina nanocomposite for catalytic application. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	17
14	New Insight into the Concept of Carbonization Degree in Synthesis of Carbon Dots to Achieve Facile Smartphone Based Sensing Platform. <i>Scientific Reports</i> , 2017, 7, 11013.	1.6	58
15	Facile synthesis of cauliflower-like hydrophobically modified polyacrylamide nanospheres by aerosol-photopolymerization. <i>European Polymer Journal</i> , 2016, 83, 323-336.	2.6	19
16	Graphene/cobalt nanocarrier for hyperthermia therapy and MRI diagnosis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 271-279.	2.5	57
17	Curcumin-reduced graphene oxide sheets and their effects on human breast cancer cells. <i>Materials Science and Engineering C</i> , 2015, 55, 482-489.	3.8	122
18	Enhanced Heavy Oil Recovery Using TiO ₂ Nanoparticles: Investigation of Deposition during Transport in Core Plug. <i>Energy & Fuels</i> , 2015, 29, 1-8.	2.5	133

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19	Enhanced Heavy Oil Recovery in Sandstone Cores Using TiO ₂ Nanofluids. Energy & Fuels, 2014, 28, 423-430.	2.5	234
20	Fabrication of self-organised highly ordered titanium oxide nanotube arrays by anodic oxidation and characterisation. International Journal of Nanomanufacturing, 2010, 5, 297.	0.3	0
21	Photocatalytic activity of ZnO nanoparticles prepared via submerged arc discharge method. Applied Physics A: Materials Science and Processing, 2010, 100, 1097-1102.	1.1	41
22	Mechanical properties of graphene cantilever from atomic force microscopy and density functional theory. Nanotechnology, 2010, 21, 185503.	1.3	63
23	Electrochemically Assisted Photocatalytic Oxidation of Methanol on TiO ₂ Nanotube Arrays. Journal of Materials Science and Technology, 2010, 26, 535-541.	5.6	15
24	ZnO nanoparticles prepared by electrical arc discharge method in water. Materials Chemistry and Physics, 2009, 118, 6-8.	2.0	72
25	Rapid and efficient synthesis of colloidal gold nanoparticles by arc discharge method. Applied Physics A: Materials Science and Processing, 2009, 96, 423-428.	1.1	32
26	Cu surface segregation in Ni/Cu system. Vacuum, 2009, 84, 469-473.	1.6	5
27	Nonlinear vibrations of microcantilevers subjected to tip-sample interactions: Theory and experiment. Journal of Applied Physics, 2009, 106, 113510.	1.1	23
28	Enhanced inter-plane coupling of Mg doped Cu _{0.5} Tl _{0.5} Ba ₂ Ca ₂ xMgxCu ₃ O ₁₀ superconductors: XPS and FTIR studies. Physica C: Superconductivity and Its Applications, 2008, 468, 405-410.	0.6	10
29	Synthesis and photocatalytic activity of WO ₃ nanoparticles prepared by the arc discharge method in deionized water. Nanotechnology, 2008, 19, 195709.	1.3	115
30	The effect of grain size on the fluctuation-induced conductivity of Cu _{1-x} TlxBa ₂ Ca ₃ Cu ₄ O ₁₂ superconductor thin films. Superconductor Science and Technology, 2007, 20, 742-747.	1.8	29
31	Diffusion and segregation of substrate copper in electrodeposited Ni-Fe thin films. Journal of Alloys and Compounds, 2007, 443, 81-86.	2.8	18
32	X-ray photoemission studies of Zn doped Cu _{1-x} TlxBa ₂ Ca ₂ Cu ₃ yZnyO ₁₀ (y=0, 2.65) superconductors. Physica C: Superconductivity and Its Applications, 2007, 453, 46-51.	0.6	14
33	X-ray photo-emission studies of Cu _{1-x} TlxBa ₂ Ca ₃ Cu ₄ O ₁₂ superconductor thin films. Physica C: Superconductivity and Its Applications, 2006, 449, 47-52.	0.6	13
34	Structure and composition of the segregated Cu in V ₂ O ₅ /Cu system. Applied Surface Science, 2006, 253, 2581-2588.	3.1	1
35	The effect of the Cr and Mo on the surface accumulation of copper in the electrodeposited Ni-Fe/Cu alloy films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 127, 17-21.	1.7	11
36	XPS studies of Cu _{1-x} TlxBa ₂ Ca ₂ Cu ₃ O ₁₀ superconductor thin films. Physica C: Superconductivity and Its Applications, 2005, 433, 21-27.	0.6	8

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37	Characterization of porous poly-silicon as a gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2004, 100, 341-346.	4.0	38
38	Room temperature diffusion of Cu in vanadium pentoxide thin films. <i>Journal Physics D: Applied Physics</i> , 2002, 35, 1176-1182.	1.3	6
39	Thermal desorption of ultrathin silicon oxide layers on Si(111). <i>Semiconductor Science and Technology</i> , 2000, 15, 160-163.	1.0	5