

Ali Salehabadi

List of Publications by Year in descending order

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46
papers

1,476
citations

361045

20
h-index

315357

38
g-index

48
all docs

48
docs citations

48
times ranked

1459
citing authors

#	ARTICLE	IF	CITATIONS
1	Advancements in Applications of Natural Wool Fiber: Review. <i>Journal of Natural Fibers</i> , 2022, 19, 497-512.	1.7	60
2	Green self-assembly of CuCe ₂ (MoO ₄) ₄ /montmorillonite-K10 nanocomposites; a promising solid-state hydrogen storage profile. <i>Fuel</i> , 2022, 310, 122401.	3.4	2
3	Plant protein-based food packaging films; recent advances in fabrication, characterization, and applications. <i>Trends in Food Science and Technology</i> , 2022, 120, 154-173.	7.8	120
4	Rare-earth-based tungstates ceramic nanomaterials: recent advancements and technologies. , 2022, , 175-203.		4
5	Designing of potential materials for solar hydro electricity generation: Preparation of novel nanostructured films via thermodiffusion and polymerization methods. <i>International Journal of Energy Research</i> , 2022, 46, 16416-16426.	2.2	1
6	Preparation and application of sulfonated polysulfone in an electrochemical hydrogen storage system. <i>International Journal of Energy Research</i> , 2021, 45, 4026-4035.	2.2	8
7	A study on electrochemical hydrogen storage properties of truncated octahedron cobalt cerium molybdate nanocrystals synthesized by solution combustion method. <i>Journal of Alloys and Compounds</i> , 2021, 858, 158374.	2.8	8
8	Thermal performance of a fixed plate air-to-air energy recovery system for building application in hot and humid environment. <i>International Journal of Energy Research</i> , 2021, 45, 8900-8918.	2.2	3
9	Application of bio-nanocomposite films and edible coatings for extending the shelf life of fresh fruits and vegetables. <i>Advances in Colloid and Interface Science</i> , 2021, 291, 102405.	7.0	182
10	Cheese packaging by edible coatings and biodegradable nanocomposites; improvement in shelf life, physicochemical and sensory properties. <i>Trends in Food Science and Technology</i> , 2021, 116, 218-231.	7.8	96
11	A study on electrochemical hydrogen storage performance of ¹² -copper phthalocyanine rectangular nanocuboids. <i>Renewable Energy</i> , 2020, 146, 497-503.	4.3	23
12	Potential Risk and Occupational Exposure of Pesticides Among Rice Farmers of a Village Located in Northern Peninsular of Malaysia. <i>Exposure and Health</i> , 2020, 12, 735-749.	2.8	2
13	Preparation, structural analysis, and assessing the impacts of holmium and ytterbium on electrochemical hydrogen storage property of strontium cerium molybdate nanostructures. <i>Electrochimica Acta</i> , 2020, 356, 136851.	2.6	14
14	Carbon-based nanocomposites in solid-state hydrogen storage technology: An overview. <i>International Journal of Energy Research</i> , 2020, 44, 11044-11058.	2.2	41
15	Unveiling the synthesis of CuCe ₂ (MoO ₄) ₄ nanostructures and its physico-chemical properties on electrochemical hydrogen storage. <i>Journal of Alloys and Compounds</i> , 2020, 826, 154023.	2.8	11
16	Biodegradable green packaging with antimicrobial functions based on the bioactive compounds from tropical plants and their by-products. <i>Trends in Food Science and Technology</i> , 2020, 100, 262-277.	7.8	175
17	Overview of Energy, Society, and Environment Towards Sustainable and Development. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020, , 1-8.	0.2	5
18	Boosting Hydrogen Storage Performances of Solid-State Materials. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020, , 83-91.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Solid-State Hydrogen Storage Materials. SpringerBriefs in Applied Sciences and Technology, 2020, , 41-67.	0.2	0
20	Essential Parameters Identification of Hydrogen Storage Materials. SpringerBriefs in Applied Sciences and Technology, 2020, , 69-82.	0.2	0
21	Auto-combustion synthesis, structural analysis, and electrochemical solid-state hydrogen storage performance of strontium cobalt oxide nanostructures. International Journal of Hydrogen Energy, 2019, 44, 31183-31191.	3.8	18
22	Amino acids assisted hydrothermal synthesis of W-type SrFe ₁₈ O ₂₇ nanostructures; a potential hydrodesulfurization catalyst. International Journal of Hydrogen Energy, 2019, 44, 15017-15025.	3.8	16
23	Application of (mixed) metal oxides-based nanocomposites for biosensors. , 2019, , 357-396.		8
24	Electrochemical hydrogen storage properties of Ce _{0.75} Zr _{0.25} O ₂ nanopowders synthesized by sol-gel method. Journal of Alloys and Compounds, 2019, 790, 884-890.	2.8	24
25	Structural characterization and electrochemical hydrogen sorption performances of the polycrystalline Ba ₂ Co ₉ O ₁₄ nanostructures. Journal of Alloys and Compounds, 2019, 777, 252-258.	2.8	34
26	A potential photovoltaic material for dye sensitized solar cells based BaCe ₂ (MoO ₄) ₄ doped Er ³⁺ /Yb ³⁺ nanostructures. Journal of Cleaner Production, 2019, 209, 762-768.	4.6	6
27	Self-assembly of hydrogen storage materials based multi-walled carbon nanotubes (MWCNTs) and Dy ₃ Fe ₅ O ₁₂ (DFO) nanoparticles. Journal of Alloys and Compounds, 2018, 745, 789-797.	2.8	157
28	Dy ₃ Al ₂ (AlO ₄) ₃ ceramic nanogarnets: Sol-gel auto-combustion synthesis, characterization and joint experimental and computational structural analysis for electrochemical hydrogen storage performances. Journal of Alloys and Compounds, 2018, 744, 574-582.	2.8	30
29	Dy ₃ Fe ₅ O ₁₂ and DyFeO ₃ nanostructures: Green and facial auto-combustion synthesis, characterization and comparative study on electrochemical hydrogen storage. International Journal of Hydrogen Energy, 2018, 43, 9713-9721.	3.8	45
30	Green and facial combustion synthesis of Sr ₃ Al ₂ O ₆ nanostructures; a potential electrochemical hydrogen storage material. Journal of Cleaner Production, 2018, 171, 1-9.	4.6	47
31	Electrochemical hydrogen storage properties of NiAl ₂ O ₄ /NiO nanostructures using TiO ₂ , SiO ₂ and graphene by auto-combustion method using green tea extract. Renewable Energy, 2018, 115, 199-207.	4.3	63
32	Enhanced dye sensitized solar cells efficiency by utilization of an external layer of CaCe ₂ (MoO ₄) ₄ :Er ³⁺ /Yb ³⁺ nanoparticles. Journal of Alloys and Compounds, 2018, 769, 732-739.	2.8	22
33	Self-Assembled Sr ₃ Al ₂ O ₆ -CuPc Nanocomposites: A Potential Electrochemical Hydrogen Storage Material. International Journal of Materials Science and Engineering, 2018, 6, 10-17.	0.1	2
34	Modified Sol-Gel Processing of NiCr ₂ O ₄ Nanoparticles; Structural Analysis and Optical Band Gap. High Temperature Materials and Processes, 2017, 36, 121-125.	0.6	14
35	Investigation of oil palm based Kraft and auto-catalyzed organosolv lignin susceptibility as a green wood adhesives. International Journal of Adhesion and Adhesives, 2017, 74, 115-122.	1.4	37
36	Effect of copper phthalocyanine (CuPc) on electrochemical hydrogen storage capacity of BaAl ₂ O ₄ /BaCO ₃ nanoparticles. International Journal of Hydrogen Energy, 2017, 42, 15308-15318.	3.8	45

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37	Effect of various formulation ingredients on thermal characteristics of PVC/clay nanocomposite foams: experimental and modeling. <i>E-Polymers</i> , 2017, 17, 119-128.	1.3	14
38	Kinetic properties and structural analysis of LaCrO_3 nanoparticles. <i>Materials Science-Poland</i> , 2017, 35, 368-373.	0.4	26
39	$\text{CeO}_2/\text{NiTiO}_3$ nanocomposites; synthesis, photoluminescence and magnetic behavior. <i>Materials Science-Poland</i> , 2017, 35, 275-282.	0.4	6
40	Sol-Gel auto-combustion synthesis and physicochemical properties of BaAl_2O_4 nanoparticles; electrochemical hydrogen storage performance and density functional theory. <i>Renewable Energy</i> , 2017, 114, 1419-1426.	4.3	44
41	Ammonia-assisted synthesis method for CoTiO_3 nanoporous matrix. <i>Journal of Semiconductors</i> , 2016, 37, 023002.	2.0	1
42	Synthesis and physicochemical characterization of organomodified halloysite/epoxidized natural rubber nanocomposites: a potential flame-resistant adhesive. <i>Journal of Materials Science</i> , 2016, 51, 1121-1132.	1.7	20
43	Effect of Organo-Modified Nanoclay on the Thermal and Bulk Structural Properties of Poly(3-hydroxybutyrate)-Epoxidized Natural Rubber Blends: Formation of Multi-Components Biobased Nanohybrids. <i>Materials</i> , 2014, 7, 4508-4523.	1.3	25
44	Epoxidized Natural Rubber-Organomodified Montmorillonite Nanohybrids; Interaction and Thermal Decomposition. <i>Materials Science Forum</i> , 2013, 756, 119-126.	0.3	6
45	Kinetic and Nanomechanical Study of Poly (3-hydroxybutyrate)-Epoxidized Natural Rubber-Organomodified Montmorillonite Nanohybrids. <i>Advanced Materials Research</i> , 2013, 844, 229-234.	0.3	1
46	Poly(3-hydroxybutyrate) - Organo Modified Montmorillonite Nanohybrid; Preparation and Characterization. <i>Advanced Materials Research</i> , 0, 622-623, 263-270.	0.3	7