

Halimaton Hamdan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

907
citations

16
h-index

29
g-index

47
ext. papers

989
ext. citations

3
avg, IF

3.98
L-index

#	Paper	IF	Citations
47	Thermal insulation performance of silicone rubber / silica aerogel composite. <i>Materials Chemistry and Physics</i> , 2022 , 276, 125359	4.4	1
46	Effects of Solvent Exchange Period and Heat Treatment on Physical and Chemical Properties of Rice Husk Derived Silica Aerogels. <i>Silicon</i> , 2021 , 13, 251-257	2.4	4
45	Conversion of jet biofuel range hydrocarbons from palm oil over zeolite hybrid catalyst. <i>Nanomaterials and Nanotechnology</i> , 2021 , 11, 184798042098153	2.9	4
44	Effect of silica aerogel / Aluminium trihydroxide hybrid filler on the physio-mechanical and thermal decomposition behaviour of unsaturated polyester resin composite. <i>Polymer Degradation and Stability</i> , 2020 , 182, 109377	4.7	10
43	In vitro bioactivity and osteoblast cell viability studies of hydroxyapatite-incorporated silica aerogel. <i>Journal of Sol-Gel Science and Technology</i> , 2020 , 96, 166-177	2.3	8
42	Evolution of spin dynamics across the discontinuous metal-insulator transition in a deformable lattice. <i>Physical Review B</i> , 2019 , 100,	3.3	2
41	Preparation and characterization of hydroxyapatite incorporated silica aerogel and its effect on normal human dermal fibroblast cells. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 90, 422-433	2.3	10
40	Transition of a small-bipolaron gas to a Fröhlich polaron in a deformable lattice. <i>Physical Review B</i> , 2018 , 97,	3.3	4
39	Dispersion of polymeric-coated silica aerogel particles in unsaturated polyester composites: Effects on thermal-mechanical properties. <i>Journal of Dispersion Science and Technology</i> , 2018 , 39, 1093-1101	1.5	12
38	Effects of Rice Husk Derived Amorphous Silica on the Thermal-Mechanical Properties of Unsaturated Polyester Composites. <i>Journal of Macromolecular Science - Physics</i> , 2018 , 57, 479-496	1.4	7
37	Physiochemical and thermal properties of silica Aerogel / Poly vinyl alcohol / Core-Shell structure prepared using fluidized bed coating process for thermal insulation applications. <i>Materials Chemistry and Physics</i> , 2018 , 215, 269-276	4.4	14
36	Effect of mass concentration on bioactivity and cell viability of calcined silica aerogel synthesized from rice husk ash as silica source. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 82, 120-132	2.3	6
35	Effects of silica aerogel particle sizes on the thermal-mechanical properties of silica aerogel / unsaturated polyester composites. <i>Plastics, Rubber and Composites</i> , 2017 , 46, 184-192	1.5	12
34	Small bipolarons and extended states of guest Na and Rb atoms in quasi-two-dimensional disordered M _{7.8} Al _{7.8} Si _{8.2} O _{32.0} (M=Na, Rb). <i>Physical Review B</i> , 2017 , 96,	3.3	4
33	Thermal Gravimetric Analysis of Unsaturated Polyesters Filled with Alumina Trihydrate and Silica Aerogel. <i>Solid State Phenomena</i> , 2017 , 264, 116-119	0.4	1
32	Synthesis and Characterization of Rice Husk Ash Derived - Silica Aerogel Beads Prepared by Ambient Pressure Drying. <i>Key Engineering Materials</i> , 2016 , 694, 106-110	0.4	7
31	FTIR Study on the Preliminary Development of Synthesis Methods for Hydroxyapatite Modified Silica Aerogel. <i>Applied Mechanics and Materials</i> , 2015 , 799-800, 493-499	0.3	1

30	Maerogel: Alternative for Thermal Barrier Coating Topcoat. <i>Advanced Materials Research</i> , 2013 , 845, 330-334	0.5	3
29	Negative effect of Ni on PtHY in n-pentane isomerization evidenced by IR and ESR studies. <i>Journal of Natural Gas Chemistry</i> , 2012 , 21, 29-36		17
28	Thermal and mechanical behavior of natural rubber latex-silica aerogel film. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 3108-3116	2.9	23
27	Interaction of Zn ²⁺ with extraframework aluminum in HBEA zeolite and its role in enhancing n-pentane isomerization. <i>Applied Catalysis A: General</i> , 2012 , 431-432, 104-112	5.1	31
26	Organosulfonic acid functionalized zeolite ZSM-5 as temperature tolerant proton conducting material. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 12513-12521	6.7	35
25	Design, synthesis and activity study of tyrosinase encapsulated silica aerogel (TESA) biosensor for phenol removal in aqueous solution. <i>Journal of Sol-Gel Science and Technology</i> , 2011 , 59, 7-18	2.3	22
24	Enhancement of Brønsted Acidity in Sulfate-Vanadium Treated Silica-Titania Aerogel as Oxidative-Acidic Bifunctional Catalyst. <i>International Journal of Chemical Reactor Engineering</i> , 2010 , 8,	1.2	2
23	Physical Properties and Bifunctional Catalytic Performance of Phosphate-Vanadium Impregnated Silica-Titania Aerogel. <i>Catalysis Letters</i> , 2009 , 132, 28-33	2.8	11
22	Alkylsilylated Gold Loaded Magnesium Oxide Aerogel Catalyst in the Oxidation of Styrene. <i>Catalysis Letters</i> , 2009 , 130, 161-168	2.8	10
21	Sulfated silica-Titania aerogel as a bifunctional oxidative and acidic catalyst in the synthesis of diols. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 3939-3943	3.9	14
20	On the location of different titanium sites in TiO ₂ /S-2 and their catalytic role in oxidation of styrene. <i>Catalysis Communications</i> , 2007 , 8, 2007-2011	3.2	28
19	Generation of Brønsted acidity in AlMCM-41 by sulphation for enhanced liquid phase tert-butylation of phenol. <i>Applied Catalysis A: General</i> , 2007 , 323, 58-65	5.1	30
18	Biphasic epoxidation of 1-octene with H ₂ O ₂ catalyzed by amphiphilic fluorinated Ti-loaded zirconia. <i>Journal of Fluorine Chemistry</i> , 2007 , 128, 12-16	2.1	6
17	Hydrophobic fluorinated TiO ₂ /ZrO ₂ as catalyst in epoxidation of 1-octene with aqueous hydrogen peroxide. <i>Materials Letters</i> , 2006 , 60, 2274-2277	3.3	21
16	Conversion of rice husk ash to zeolite beta. <i>Waste Management</i> , 2006 , 26, 1173-9	8.6	125
15	Sulphated AlMCM-41: Mesoporous solid Brønsted acid catalyst for dibenzoylation of biphenyl. <i>Catalysis Today</i> , 2006 , 114, 257-262	5.3	36
14	Simultaneous adsorption of a mixture of paraquat and dye by NaY zeolite covered with alkylsilane. <i>Journal of Hazardous Materials</i> , 2005 , 117, 35-40	12.8	20
13	The ionic size of metal atoms in correlation with acidity by the conversion of cyclohexanol over MeAPO-5. <i>Materials Research Bulletin</i> , 2001 , 36, 315-322	5.1	21

12	Dehydration and dehydrogenation of cyclohexanol over ALPO4-5 based molecular sieves. <i>Reaction Kinetics and Catalysis Letters</i> , 1999 , 66, 33-38		1
11	Probing the active sites of aluminated mesoporous molecular sieve MCM-41 by secondary synthesis in the conversion of cyclohexanol. <i>Studies in Surface Science and Catalysis</i> , 1998 , 117, 453-459	1.8	6
10	²⁹ Si MAS NMR, XRD and FESEM studies of rice husk silica for the synthesis of zeolites. <i>Journal of Non-Crystalline Solids</i> , 1997 , 211, 126-131	3.9	98
9	Optimization And Reactivity Study Of Silica In The Synthesis Of Zeolites From Rice Husk. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 1996 , 27-35	1.2	6
8	Hydrothermal isomorphous substitution of aluminum in faujasitic frameworks: second-generation zeolite catalysts. <i>The Journal of Physical Chemistry</i> , 1989 , 93, 350-356		64
7	Quadrupole Nutation NMR Studies of Second Generation Faujasitic Catalysts. <i>ACS Symposium Series</i> , 1989 , 465-478	0.4	6
6	¹ H mas NMR and IR studies of the acidic properties of realuminated zeolite Y. <i>Catalysis Letters</i> , 1989 , 3, 263-272	2.8	14
5	²⁷ Al quadrupole nutation NMR studies of amorphous aluminosilicates. <i>Chemical Physics Letters</i> , 1989 , 158, 447-452	2.5	2
4	Secondary Synthesis of Faujasitic Catalysts. <i>ACS Symposium Series</i> , 1989 , 448-464	0.4	6
3	Solid-state NMR studies of the geometry of brüsted acid sites in zeolitic catalysts. <i>Chemical Physics Letters</i> , 1988 , 149, 355-362	2.5	118
2	Structural and catalytic consequences of isomorphorus substitution of silicon by aluminium and vice versa in the framework of pentasil zeolites. <i>Journal of the Chemical Society Chemical Communications</i> , 1987 , 1542		23
1	A comparison between the effects of hydrophobic and hydrophilic silica aerogel fillers on tensile and thermal properties of unsaturated polyester composites. <i>Polymer Bulletin</i> ,1	2.4	1