

Halimaton Hamdan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10666107/publications.pdf>

Version: 2024-02-01

47
papers

1,115
citations

471371

17
h-index

414303

32
g-index

47
all docs

47
docs citations

47
times ranked

1203
citing authors

#	ARTICLE	IF	CITATIONS
1	Conversion of rice husk ash to zeolite beta. <i>Waste Management</i> , 2006, 26, 1173-1179.	3.7	147
2	Solid-state NMR studies of the geometry of Brønsted acid sites in zeolitic catalysts. <i>Chemical Physics Letters</i> , 1988, 149, 355-362.	1.2	137
3	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.	1.5	113
4	Hydrothermal isomorphous substitution of aluminum in faujasitic frameworks: second-generation zeolite catalysts. <i>The Journal of Physical Chemistry</i> , 1989, 93, 350-356.	2.9	77
5	Sulphated AlMCM-41: Mesoporous solid Brønsted acid catalyst for dibenzoylation of biphenyl. <i>Catalysis Today</i> , 2006, 114, 257-262.	2.2	43
6	Organosulfonic acid functionalized zeolite ZSM-5 as temperature tolerant proton conducting material. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 12513-12521.	3.8	38
7	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.	2.2	35
8	On the location of different titanium sites in Ti ^{IV} -OMS-2 and their catalytic role in oxidation of styrene. <i>Catalysis Communications</i> , 2007, 8, 2007-2011.	1.6	33
9	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.	2.2	33
10	Thermal and mechanical behavior of natural rubber latex-silica aerogel film. <i>Journal of Applied Polymer Science</i> , 2012, 124, 3108-3116.	1.3	27
11	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.	2.7	26
12	Structural and catalytic consequences of isomorphous 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.	2.0	24
13	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.	1.3	24
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.	6.5	22
15	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.	1.1	22
16	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.	2.7	21
17	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.	0.9	21
18	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.	1.8	19

#	ARTICLE	IF	CITATIONS
19	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.	1.5	18
20	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.	2.0	17
21	¹ H mas NMR and IR studies of the acidic properties of realuminated zeolite Y. <i>Catalysis Letters</i> , 1989, 3, 263-272.	1.4	16
22	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.	1.3	14
23	Conversion of jet biofuel range hydrocarbons from palm oil over zeolite hybrid catalyst. <i>Nanomaterials and Nanotechnology</i> , 2021, 11, 184798042098153.	1.2	14
24	Physical Properties and Bifunctional Catalytic Performance of Phosphate-Vanadium Impregnated Silica-Titania Aerogel. <i>Catalysis Letters</i> , 2009, 132, 28-33.	1.4	13
25	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.	1.1	13
26	Thermal insulation performance of silicone rubber / silica aerogel composite. <i>Materials Chemistry and Physics</i> , 2022, 276, 125359.	2.0	13
27	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.	1.1	12
28	Alkylsilylated Gold Loaded Magnesium Oxide Aerogel Catalyst in the Oxidation of Styrene. <i>Catalysis Letters</i> , 2009, 130, 161-168.	1.4	11
29	Synthesis and Characterization of Rice Husk Ash Derived - Silica Aerogel Beads Prepared by Ambient Pressure Drying. <i>Key Engineering Materials</i> , 0, 694, 106-110.	0.4	11
30	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.	0.4	11
31	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.	1.8	11
32	Optimization And Reactivity Study Of Silica In The Synthesis Of Zeolites From Rice Husk. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 0, , 27-35.	0.3	9
33	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.	0.9	9
34	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> , 2022, 79, 6173-6191.	1.7	9
35	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.	1.1	8
36	Quadrupole Nutation NMR Studies of Second Generation Faujasitic Catalysts. <i>ACS Symposium Series</i> , 1989, , 465-478.	0.5	6

#	ARTICLE	IF	CITATIONS
37	Secondary Synthesis of Faujasitic Catalysts. ACS Symposium Series, 1989, , 448-464.	0.5	6
38	Probing the active sites of aluminated mesoporous molecular sieve MCM-41 by secondary synthesis in the conversion of cyclohexanol. Studies in Surface Science and Catalysis, 1998, 117, 453-459.	1.5	6
39	²⁷ Al quadrupole nutation NMR studies of amorphous aluminosilicates. Chemical Physics Letters, 1989, 158, 447-452.	1.2	4
40	Maerogel: Alternative for Thermal Barrier Coating Topcoat. Advanced Materials Research, 0, 845, 330-334.	0.3	4
41	Small bipolarons and extended states of guest Na and Rb atoms in quasi-two-dimensional disordered $M_{x/2}O_{2x}$. Physical Review B, 2017, 96, .	1.1	4
42	Transition of a small-bipolaron gas to a Fröhlich polaron in a deformable lattice. Physical Review B, 2018, 97, .	1.1	4
43	FTIR Study on the Preliminary Development of Synthesis Methods for Hydroxyapatite Modified Silica Aerogel. Applied Mechanics and Materials, 0, 799-800, 493-499.	0.2	3
44	Enhancement of Brønsted Acidity in Sulfate-Vanadium Treated Silica-Titania Aerogel as Oxidative-Acidic Bifunctional Catalyst. International Journal of Chemical Reactor Engineering, 2010, 8, .	0.6	2
45	Thermal Gravimetric Analysis of Unsaturated Polyesters Filled with Alumina Trihydrate and Silica Aerogel. Solid State Phenomena, 2017, 264, 116-119.	0.3	2
46	Evolution of spin dynamics across the discontinuous metal-insulator transition in a deformable lattice. Physical Review B, 2019, 100, .	1.1	2
47	Dehydration and dehydrogenation of cyclohexanol over AlPO ₄ -5 based molecular sieves. Reaction Kinetics and Catalysis Letters, 1999, 66, 33-38.	0.6	1