

Undefined A KantÃ¼rk Figen

List of Publications by Year in descending order

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62
papers

994
citations

471509

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h-index

477307

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docs citations

65
times ranked

1003
citing authors

#	ARTICLE	IF	CITATIONS
1	The remarkable role of metal promoters on the catalytic activity of Co-Cu based nanoparticles for boosting hydrogen evolution: Ammonia borane hydrolysis. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 365-380.	20.2	74
2	Dehydrogenation characteristics of ammonia borane via boron-based catalysts (Co-B, Ni-B, Cu-B) under different hydrolysis conditions. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 9186-9197.	7.1	73
3	Hydrogen generation from waste Mg based material in various saline solutions (NiCl ₂ , CoCl ₂ , CuCl) <i>Tj ETQq1 1 0,784314 rgBT /Ove</i>	7.1	69
4	A novel perspective for hydrogen generation from ammonia borane (NH ₃ BH ₃) with Co-B catalysts: Ultrasonic Hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 2824-2835.	7.1	56
5	Swelling, mechanical and mucoadhesion properties of Mt/starch-g-PMAA nanocomposite hydrogels. <i>Applied Clay Science</i> , 2015, 112-113, 44-52.	5.2	52
6	Synthesis, structural characterization, and hydrolysis of Ammonia Borane (NH ₃ BH ₃) as a hydrogen storage carrier. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 16215-16228.	7.1	51
7	Synthesis, crystal structure and dehydration kinetics of NaB(OH) ₄ ·2H ₂ O. <i>Korean Journal of Chemical Engineering</i> , 2008, 25, 1331-1337.	2.7	45
8	Hydrogen production by the hydrolysis of milled waste magnesium scraps in nickel chloride solutions and nickel chloride added in Marmara Sea and Aegean Sea Water. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 16169-16177.	7.1	35
9	Dual combining transition metal hybrid nanoparticles for ammonia borane hydrolytic dehydrogenation. <i>Applied Catalysis A: General</i> , 2018, 550, 320-330.	4.3	32
10	Fabrication of electrospun nanofiber catalysts and ammonia borane hydrogen release efficiency. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 15433-15442.	7.1	26
11	Cobalt-boron loaded thermal activated Turkish sepiolite composites (Co-B@tSe) as a catalyst for hydrogen delivery. <i>Applied Clay Science</i> , 2018, 153, 95-106.	5.2	26
12	The effect of vinegar (acetic acid solution) on the hydrogen generation performance of mechanochemically modified Magnesium (Mg) granules. <i>Energy</i> , 2017, 127, 328-334.	8.8	26
13	Parametric investigation on anhydrous sodium metaborate (NaBO ₂) synthesis from concentrated tincal. <i>Advanced Powder Technology</i> , 2010, 21, 513-520.	4.1	24
14	Polymeric and metal oxide structured nanofibrous composites fabricated by electrospinning as highly efficient hydrogen evolution catalyst. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 82-94.	9.4	22
15	Hydrogen production from sodium borohydride originated compounds: Fabrication of electrospun nano-crystalline Co ₃ O ₄ catalyst and its activity. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 9883-9895.	7.1	20
16	Microwave assisted green chemistry approach of sodium metaborate dihydrate (NaBO ₂ ·2H ₂ O) synthesis and use as raw material for sodium borohydride (NaBH ₄) thermochemical production. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 3702-3709.	7.1	19
17	Insight into the role of solvents in enhancing hydrogen production: Ru-Co nanoparticles catalyzed sodium borohydride dehydrogenation. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28471-28482.	7.1	19
18	Fabrication of stable electrospun blended chitosan-poly(vinyl alcohol) nanofibers for designing naked-eye colorimetric glucose biosensor based on GOx/HRP. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 999-1012.	7.5	19

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19	Innovation in sodium borohydride production process from borosilicate glass with sodium under hydrogen atmosphere: "high pressure process". International Journal of Hydrogen Energy, 2007, 32, 3981-3986.	7.1	17
20	Production of sodium metaborate tetrahydrate (NaB(OH) ₄ ·2H ₂ O) using ultrasonic irradiation. Powder Technology, 2012, 215-216, 166-173.	4.2	16
21	Full in-vitro analyses of new-generation bulk fill dental composites cured by halogen light. Materials Science and Engineering C, 2017, 77, 436-445.	7.3	16
22	Solid state preparation and reaction kinetics for Co/B as a catalytic/acidic accelerator for NaBH ₄ hydrolysis. Reaction Kinetics, Mechanisms and Catalysis, 2013, 109, 375-392.	1.7	15
23	Thermal degradation characteristic of Tetra Pak panel boards under inert atmosphere. Korean Journal of Chemical Engineering, 2013, 30, 878-890.	2.7	15
24	Improved catalytic performance of metal oxide catalysts fabricated with electrospinning in ammonia borane methanolysis for hydrogen production. International Journal of Hydrogen Energy, 2019, 44, 28451-28462.	7.1	15
25	Structural characterization and dehydration kinetics of Kärka inderite mineral: Application of non-isothermal models. Materials Characterization, 2010, 61, 640-647.	4.4	13
26	Closing the hydrogen cycle with the couple sodium borohydride"methanol, via the formation of sodium tetramethoxyborate and sodium metaborate. International Journal of Energy Research, 2020, 44, 11405-11416.	4.5	13
27	Reusable hybrid foam catalyst for hydrolytic dehydrogenation of amine adducts of borane: Porous PVA-Immobilized Co"Ru nanoparticles. Microporous and Mesoporous Materials, 2020, 305, 110363.	4.4	13
28	Devolatilization non-isothermal kinetic analysis of agricultural stalks and application of TG-FT/IR analysis. Journal of Thermal Analysis and Calorimetry, 2012, 107, 1177-1189.	3.6	12
29	Colemanite: A Fire Retardant Candidate for Wood Plastic Composites. BioResources, 2017, 13, .	1.0	12
30	Characterization and modification of waste magnesium chip utilized as an Mg-rich intermetallic composite. Particuology, 2014, 17, 158-164.	3.6	10
31	Effects of open-air sun drying and pre-treatment on drying characteristics of purslane (Portulaca) Tj ETQq1 1 0.784314 rgBT /Overlock	2.1	10
32	Applied ultrasound assisted research on synthesis and in-situ hydrolysis of ammonia borane for hydrogen energy. International Journal of Hydrogen Energy, 2019, 44, 10003-10013.	7.1	10
33	Hydro-catalytic treatment of organoamine boranes for efficient thermal dehydrogenation for hydrogen production. International Journal of Hydrogen Energy, 2021, 46, 35641-35652.	7.1	10
34	Nano-casting procedure for catalytic cobalt oxide bead preparation from calcium-alginate capsules: Activity in ammonia borane hydrolysis reaction. Applied Materials Today, 2021, 22, 100952.	4.3	9
35	Sonochemical Approach to Synthesis of Co-B Catalysts and Hydrolysis of Alkaline NaBH ₄ Solutions. Journal of Chemistry, 2014, 2014, 1-9.	1.9	8
36	Recommendations for ammonia borane composite pellets as a hydrogen storage medium. International Journal of Hydrogen Energy, 2018, 43, 20354-20371.	7.1	8

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37	Investigation of the reaction mechanism and kinetics of production of anhydrous sodium metaborate (NaBO ₂) by a solid-state reaction. <i>Research on Chemical Intermediates</i> , 2013, 39, 569-583.	2.7	7
38	Ultra-layered sheet Cu Co nanoparticles for optimized application in catalytic reduction of organic dye. <i>Materials Characterization</i> , 2020, 160, 110116.	4.4	7
39	Mechanism for formation of NaBH ₄ proposed as low-pressure process for storing hydrogen in borosilicate glass-sodium solid system: a hydrogen storage material. <i>Bulletin of Materials Science</i> , 2012, 35, 203-209.	1.7	6
40	Ammonia borane-boron composites for hydrogen release: Thermolysis kinetics. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2017, 39, 613-617.	2.3	5
41	Semi-continuous regime for continuous hydrogen production from sodium borohydride methanolytic dehydrogenation. <i>Polyhedron</i> , 2021, 194, 114920.	2.2	5
42	Study on the dehydration kinetics of tunellite using non-isothermal methods. <i>Research on Chemical Intermediates</i> , 2015, 41, 1893-1906.	2.7	4
43	Hydrolysis characteristics of calcium hydride (CaH ₂) powder in the presence of ethylene glycol, methanol, and ethanol for controllable hydrogen production. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016, 38, 37-42.	2.3	4
44	Open sun drying of green bean: influence of pretreatments on drying kinetics, colour and rehydration capacity. <i>Heat and Mass Transfer</i> , 2017, 53, 1277-1288.	2.1	4
45	Synergetic Effect of Sodium Borohydride Addition in Ammonia Borane Hydrolysis Reaction Mechanism and Kinetics. <i>Kinetics and Catalysis</i> , 2018, 59, 128-135.	1.0	4
46	The use of boric acid (H ₃ BO ₃) and boron oxide (B ₂ O ₃) for co-precipitation synthesis of cobalt-boron catalysts: Catalytic activity in hydrogen generation. <i>Kinetics and Catalysis</i> , 2014, 55, 809-823.	1.0	3
47	Thermal properties and kinetics of new-generation posterior bulk fill composite cured light-emitting diodes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 118, 31-42.	3.6	3
48	Sodium borohydride hydrolysis-mediated hydrogenation of carbon dioxide, towards a two-step production of formic acid. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 26490-26500.	7.1	3
49	Boron-doped Cobalt nanoparticles anchored to different activated carbon supports as recyclable catalysts for enhanced alkyl-substituted amine boranes dehydrogenation. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 40286-40303.	7.1	3
50	Process for the conversion of highly caustic spent sodium borohydride fuel. <i>Research on Chemical Intermediates</i> , 2012, 38, 2343-2354.	2.7	2
51	Hydrogen desorption kinetics of MgH ₂ synthesized from modified waste magnesium. <i>Materials Science-Poland</i> , 2014, 32, 385-390.	1.0	2
52	The Molecular-Kinetic Approach to Hydrolysis of Boron Hydrides for Hydrogen Production. <i>Kinetics and Catalysis</i> , 2019, 60, 37-43.	1.0	2
53	Comparative evaluation of boron distribution from ulexite, colemanite and DOT rods in Scots pine wood. <i>Journal of Forestry Research</i> , 2021, 32, 419-426.	3.6	2
54	Catalytic semi-continuous operation modes for hydrogen generation from carbon derivatives of ammonia boranes. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 40304-40316.	7.1	2

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55	Precipitation method for barium metaborate (BaB[sub 2]O[sub 4]) synthesis from borax solution. , 2013, , .		1
56	Synthesis of nanometric Î²-barium metaborate powder from different borate solutions by ultrasound-assisted precipitation. Research on Chemical Intermediates, 2014, 40, 2103-2117.	2.7	1
57	Devolatilization kinetics of olive leaves with application as a precursor for activated carbon production. Instrumentation Science and Technology, 2017, 45, 440-458.	1.8	1
58	Movement of boron from ulexite and colemanite minerals in sapwood and heartwood of Cryptomeria japonica. Journal of Forestry Research, 2020, 31, 2597-2603.	3.6	1
59	New manufacturing methodology for boron-based rods for remedial treatments of wood: solubilities and some physical and thermal properties of the rods. SN Applied Sciences, 2020, 2, 1.	2.9	1
60	TalaÄ Magnezyum AtÄ±ÄÄ±ndan Hidrojen GazÄ± Äretimi ve HÄ±z Profillerinin Äncelenmesi. Journal of Polytechnic, 0, , .	0.7	1
61	Capacity of Ammonia Borane to Store Hydrogen. , 2022, , 357-365.		1
62	Thermal, spectral, and surface properties of LED light-polymerized bulk fill resin composites. Biomedizinische Technik, 2015, 60, 65-75.	0.8	0