Bilge CoÅkuner Filiz

List of Publications by Year
in descending order

33 papers	659 citations	623734 14 h-index	580821 25 g-index
35 all docs	35 docs citations	35 times ranked	718 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. Applied Catalysis B: Environmental, 2018, 238, 365-380.	20.2	74
2	Hydrogen generation from waste Mg based material in various saline solutions (NiCl 2 , CoCl 2 , CuCl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	7.1	69
3	A novel perspective for hydrogen generation from ammonia borane (NH3BH3) with Coâ€“B catalysts: â€œUltrasonic Hydrolysisâ€• International Journal of Hydrogen Energy, 2013, 38, 2824-2835.	7.1	56
4	Synthesis, structural characterization, and hydrolysis of Ammonia Borane (NH3BH3) as a hydrogen storage carrier. International Journal of Hydrogen Energy, 2013, 38, 16215-16228.	7.1	51
5	Highly Selective Hydrogenation of Levulinic Acid to Î³-Valerolactone Over Ru/ZrO2 Catalysts. Catalysis Letters, 2017, 147, 1744-1753.	2.6	44
6	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. International Journal of Hydrogen Energy, 2015, 40, 16169-16177.	7.1	35
7	Dual combining transition metal hybrid nanoparticles for ammonia borane hydrolytic dehydrogenation. Applied Catalysis A: General, 2018, 550, 320-330.	4.3	32
8	Fabrication of electrospun nanofiber catalysts and ammonia borane hydrogen release efficiency. International Journal of Hydrogen Energy, 2016, 41, 15433-15442.	7.1	26
9	Cobalt-boron loaded thermal activated Turkish sepiolite composites (Co-B@tSe) as a catalyst for hydrogen delivery. Applied Clay Science, 2018, 153, 95-106.	5.2	26
10	The role of catalyst support on activity of copper oxide nanoparticles for reduction of 4-nitrophenol. Advanced Powder Technology, 2020, 31, 3845-3859.	4.1	26
11	The effect of vinegarâ€“acetic acid solution on the hydrogen generation performance of mechanochemically modified Magnesium (Mg) granules. Energy, 2017, 127, 328-334.	8.8	26
12	Polymeric and metal oxide structured nanofibrous composites fabricated by electrospinning as highly efficient hydrogen evolution catalyst. Journal of Colloid and Interface Science, 2019, 533, 82-94.	9.4	22
13	Hydrogen production from sodium borohydride originated compounds: Fabrication of electrospun nano-crystalline Co3O4 catalyst and its activity. International Journal of Hydrogen Energy, 2019, 44, 9883-9895.	7.1	20
14	Insight into the role of solvents in enhancing hydrogen production: Ru-Co nanoparticles catalyzed sodium borohydride dehydrogenation. International Journal of Hydrogen Energy, 2019, 44, 28471-28482.	7.1	19
15	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
16	Solid state preparation and reaction kinetics for Co/B as a catalytic/acidic accelerator for NaBH4 hydrolysis. Reaction Kinetics, Mechanisms and Catalysis, 2013, 109, 375-392.	1.7	15
17	Closing the hydrogen cycle with the couple sodium borohydrideâ€“methanol, via the formation of sodium tetramethoxyborate and sodium metaborate. International Journal of Energy Research, 2020, 44, 11405-11416.	4.5	13
18	Reusable hybrid foam catalyst for hydrolytic dehydrogenation of amine adducts of borane: Porous PVA-Immobilized Coâ€“Ru nanoparticles. Microporous and Mesoporous Materials, 2020, 305, 110363.	4.4	13

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19	PlasmaâEAssisted Synthesis of Monodispersed and Robust Ruthenium Ultrafine Nanocatalysts for Organosilane Oxidation and Oxygen Evolution Reactions. ChemCatChem, 2017, 9, 4159-4163.	3.7	11
20	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
21	Investigation of the reaction mechanism of the hydrolysis of MgH2 in CoCl2 solutions under various kinetic conditions. Reaction Kinetics, Mechanisms and Catalysis, 2021, 132, 93-109.	1.7	10
22	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
23	Sonochemical Approach to Synthesis of Co-B Catalysts and Hydrolysis of Alkaline NaBH₄Solutions. Journal of Chemistry, 2014, 2014, 1-9.	1.9	8
24	Recommendations for ammonia borane composite pellets as a hydrogen storage medium. International Journal of Hydrogen Energy, 2018, 43, 20354-20371.	7.1	8
25	Ultra-layered sheet Cu Co nanoparticles for optimized application in catalytic reduction of organic dye. Materials Characterization, 2020, 160, 110116.	4.4	7
26	The use of boric acid (H3BO3) and boron oxide (B2O3) for co-precipitation synthesis of cobalt-boron catalysts: Catalytic activity in hydrogen generation. Kinetics and Catalysis, 2014, 55, 809-823.	1.0	3
27	Boron-doped Cobalt nanoparticles anchored to different activated carbon supports as recyclable catalysts for enhanced alkyl-substituted amine boranes dehydrogenation. International Journal of Hydrogen Energy, 2022, 47, 40286-40303.	7.1	3
28	Hydrogen desorption kinetics of MgH2 synthesized from modified waste magnesium. Materials Science-Poland, 2014, 32, 385-390.	1.0	2
29	The Molecular-Kinetic Approach to Hydrolysis of Boron Hydrides for Hydrogen Production. Kinetics and Catalysis, 2019, 60, 37-43.	1.0	2
30	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
31	TalaÅŸ Magnezyum AtÄ±ÄŸÄ±ndan Hidrojen GazÄ± Ãœretimi ve HÄ±z Profillerinin Ä°ncelenmesi. Journal of Polytechnic, 0, , .	0.7	1
32	Capacity of Ammonia Borane to Store Hydrogen. , 2022, , 357-365.		1
33	FarklÄ± AlÃ¼minyum KaynaklarÄ±ndan Co-Al Ä°Ã§erikli Metal Oksitlerin Ãœretimi ve YapÄ±sal Ã–zelliklerine Etkisinin Ä°ncelenmesi. Journal of Polytechnic, 0, , .	0.7	0