

# Bilge CoÅkuner Filiz

## List of Publications by Year in descending order

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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	Capacity of Ammonia Borane to Store Hydrogen. , 2022, , 357-365.		1
2	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
3	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
4	Investigation of the reaction mechanism of the hydrolysis of MgH <sub>2</sub> in CoCl <sub>2</sub> solutions under various kinetic conditions. Reaction Kinetics, Mechanisms and Catalysis, 2021, 132, 93-109.	1.7	10
5	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
6	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
7	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
8	Ultra-layered sheet Cu Co nanoparticles for optimized application in catalytic reduction of organic dye. Materials Characterization, 2020, 160, 110116.	4.4	7
9	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
10	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
11	The Molecular-Kinetic Approach to Hydrolysis of Boron Hydrides for Hydrogen Production. Kinetics and Catalysis, 2019, 60, 37-43.	1.0	2
12	Hydrogen production from sodium borohydride originated compounds: Fabrication of electrospun nano-crystalline Co <sub>3</sub> O <sub>4</sub> catalyst and its activity. International Journal of Hydrogen Energy, 2019, 44, 9883-9895.	7.1	20
13	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
14	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
15	Dual combining transition metal hybrid nanoparticles for ammonia borane hydrolytic dehydrogenation. Applied Catalysis A: General, 2018, 550, 320-330.	4.3	32
16	Recommendations for ammonia borane composite pellets as a hydrogen storage medium. International Journal of Hydrogen Energy, 2018, 43, 20354-20371.	7.1	8
17	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
18	Highly Selective Hydrogenation of Levulinic Acid to $\gamma$ -Valerolactone Over Ru/ZrO <sub>2</sub> Catalysts. Catalysis Letters, 2017, 147, 1744-1753.	2.6	44

#	ARTICLE	IF	CITATIONS
19	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
20	Plasma-Assisted Synthesis of Monodispersed and Robust Ruthenium Ultrafine Nanocatalysts for Organosilane Oxidation and Oxygen Evolution Reactions. ChemCatChem, 2017, 9, 4159-4163.	3.7	11
21	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
22	The effect of vinegar-acetic acid solution on the hydrogen generation performance of mechanochemically modified Magnesium (Mg) granules. Energy, 2017, 127, 328-334.	8.8	26
23	Fabrication of electrospun nanofiber catalysts and ammonia borane hydrogen release efficiency. International Journal of Hydrogen Energy, 2016, 41, 15433-15442.	7.1	26
24	Hydrogen generation from waste Mg based material in various saline solutions (NiCl <sub>2</sub> , CoCl <sub>2</sub> , CuCl) Tj ETQq0 0 0,rgBT /Overlock 10 T	7.1	69
25	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
26	Hydrogen desorption kinetics of MgH <sub>2</sub> synthesized from modified waste magnesium. Materials Science-Poland, 2014, 32, 385-390.	1.0	2
27	The use of boric acid (H <sub>3</sub> BO <sub>3</sub> ) and boron oxide (B <sub>2</sub> O <sub>3</sub> ) for co-precipitation synthesis of cobalt-boron catalysts: Catalytic activity in hydrogen generation. Kinetics and Catalysis, 2014, 55, 809-823.	1.0	3
28	Sonochemical Approach to Synthesis of Co-B Catalysts and Hydrolysis of Alkaline NaBH <sub>4</sub> Solutions. Journal of Chemistry, 2014, 2014, 1-9.	1.9	8
29	Solid state preparation and reaction kinetics for Co/B as a catalytic/acidic accelerator for NaBH <sub>4</sub> hydrolysis. Reaction Kinetics, Mechanisms and Catalysis, 2013, 109, 375-392.	1.7	15
30	Synthesis, structural characterization, and hydrolysis of Ammonia Borane (NH <sub>3</sub> BH <sub>3</sub> ) as a hydrogen storage carrier. International Journal of Hydrogen Energy, 2013, 38, 16215-16228.	7.1	51
31	A novel perspective for hydrogen generation from ammonia borane (NH <sub>3</sub> BH <sub>3</sub> ) with Co-B catalysts: Ultrasonic Hydrolysis. International Journal of Hydrogen Energy, 2013, 38, 2824-2835.	7.1	56
32	Talaş Magnezyum Atlarından Hidrojen Gazı Üretimi ve H <sub>2</sub> Profillerinin İncelenmesi. Journal of Polytechnic, 0, , .	0.7	1
33	Farklı Al <sub>2</sub> O <sub>3</sub> minyum Kaynaklarından Co-Al İrişimli Metal Oksitlerin Üretimi ve Yapısal Özelliklerine Etkisinin İncelenmesi. Journal of Polytechnic, 0, , .	0.7	0