

Geun-Ho Han

List of Publications by Year in descending order

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35
papers

719
citations

516215

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35
all docs

35
docs citations

35
times ranked

761
citing authors

#	ARTICLE	IF	CITATIONS
1	DFT calculations on selectivity enhancement by Br addition on Pd catalysts in the direct synthesis of hydrogen peroxide. <i>Catalysis Today</i> , 2022, 397-399, 232-239.	2.2	4
2	Impact of the dopant-induced ensemble structure of hetero-double atom catalysts in electrochemical NH_3 production. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6216-6230.	5.2	11
3	Deactivation resistance effect of alkane co-feeding on methane dehydroaromatization and active GaO^+ species in Ga/HZSM-5 for BTX production. <i>Fuel</i> , 2022, 325, 124939.	3.4	6
4	Solid-solution alloying of immiscible Pt and Au boosts catalytic performance for H_2O_2 direct synthesis. <i>Acta Materialia</i> , 2021, 205, 116563.	3.8	10
5	Advanced Development Strategy of Nano Catalyst and DFT Calculations for Direct Synthesis of Hydrogen Peroxide. <i>Advanced Energy Materials</i> , 2021, 11, 2003121.	10.2	34
6	Recovery of Pd as PdO from Pd/SiO ₂ catalyst by leaching using hydrochloric acid. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 1657-1664.	1.6	0
7	Hydrogen Peroxide Synthesis: Advanced Development Strategy of Nano Catalyst and DFT Calculations for Direct Synthesis of Hydrogen Peroxide (<i>Adv. Energy Mater.</i> 27/2021). <i>Advanced Energy Materials</i> , 2021, 11, 2170104.	10.2	1
8	Effect of hydroxyapatite-doping in Na-W-Mn/SiO ₂ catalysts on oxidative coupling of methane. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1818-1825.	1.2	2
9	Anisotropic growth of Pt on Pd nanocube promotes direct synthesis of hydrogen peroxide. <i>Applied Surface Science</i> , 2021, 562, 150031.	3.1	16
10	Facile Aqueous-Phase Synthesis of Pd@FePt Core-Shell Nanoparticles for Methanol Oxidation Reaction. <i>Catalysts</i> , 2021, 11, 130.	1.6	3
11	Three-in-One Strategy to Improve Both Catalytic Activity and Selectivity: Nonconcentric Pd@Au Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11098-11105.	2.1	5
12	Crystal refinement of rutile by sonochemical method to achieve high performance Pd catalysts for direct synthesis of hydrogen peroxide. <i>Catalysis Today</i> , 2020, 352, 262-269.	2.2	8
13	CeO ₂ promoted Ag/TiO ₂ catalyst for soot oxidation with improved active oxygen generation and delivery abilities. <i>Journal of Hazardous Materials</i> , 2020, 384, 121341.	6.5	35
14	Effects of varying amounts of Na on Pd/TiO ₂ for the direct synthesis of H_2O_2 : Identification of the Pd dispersion and catalytic activity enhancement by changing the surface electronic states. <i>Molecular Catalysis</i> , 2020, 484, 110732.	1.0	2
15	Low temperature benzene oxidation over copper-silver catalyst: roles of copper oxide and silver on cerium-zirconium mixed oxide. <i>Catalysis Science and Technology</i> , 2020, 10, 6780-6789.	2.1	9
16	Effects of chlorinated Pd precursors and preparation methods on properties and activity of Pd/TiO ₂ catalysts. <i>RSC Advances</i> , 2020, 10, 41462-41470.	1.7	6
17	Facile Direct Seed-Mediated Growth of AuPt Bimetallic Shell on the Surface of Pd Nanocubes and Application for Direct H_2O_2 Synthesis. <i>Catalysts</i> , 2020, 10, 650.	1.6	12
18	Effect of polyvinylpyrrolidone (PVP) on palladium catalysts for direct synthesis of hydrogen peroxide from hydrogen and oxygen. <i>RSC Advances</i> , 2020, 10, 19952-19960.	1.7	22

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19	Tailored Palladium-Platinum Nanoconcave Cubes as High Performance Catalysts for the Direct Synthesis of Hydrogen Peroxide. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6328-6335.	4.0	30
20	Promotional effect of Au on Fe/HZSM-5 catalyst for methane dehydroaromatization. <i>Fuel</i> , 2020, 274, 117852.	3.4	16
21	Unlocking the Potential of Nanoparticles Composed of Immiscible Elements for Direct H ₂ O ₂ Synthesis. <i>ACS Catalysis</i> , 2019, 9, 8702-8711.	5.5	32
22	Revealing the factors determining the selectivity of guaiacol HDO reaction pathways using ZrP-supported Co and Ni catalysts. <i>Journal of Catalysis</i> , 2019, 377, 343-357.	3.1	43
23	Catalytically Active Au Layers Grown on Pd Nanoparticles for Direct Synthesis of H ₂ O ₂ : Lattice Strain and Charge-Transfer Perspective Analyses. <i>ACS Nano</i> , 2019, 13, 4761-4770.	7.3	42
24	Synthesis of Cu-Pd nanoplates and their catalytic performance for H ₂ O ₂ generation reaction. <i>Molecular Catalysis</i> , 2018, 452, 117-122.	1.0	12
25	Aqueous-phase synthesis of Pd/TiO ₂ /Fe ₃ O ₄ hybrid nanostructures and their enhanced catalytic properties. <i>Chemical Physics Letters</i> , 2018, 712, 13-19.	1.2	9
26	Role of Pt atoms on Pd(111) surface in the direct synthesis of hydrogen peroxide: Nano-catalytic experiments and DFT calculations. <i>Journal of Catalysis</i> , 2018, 368, 237-247.	3.1	38
27	Studies on Catalytic Activity of Hydrogen Peroxide Generation according to Au Shell Thickness of Pd/Au Nanocubes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38109-38116.	4.0	32
28	Ni-Doped MoS ₂ Nanoparticles Prepared via Core-Shell Nanoclusters and Catalytic Activity for Upgrading Heavy Oil. <i>Energy & Fuels</i> , 2018, 32, 9263-9270.	2.5	10
29	Highly dispersed Pd catalysts prepared by a sonochemical method for the direct synthesis of hydrogen peroxide. <i>Molecular Catalysis</i> , 2017, 429, 43-50.	1.0	23
30	Direct Synthesis of Hydrogen Peroxide from Hydrogen and Oxygen over Mesoporous Silica-Shell-Coated, Palladium-Nanocrystal-Grafted SiO ₂ Nanobeads. <i>ACS Catalysis</i> , 2017, 7, 3039-3048.	5.5	60
31	Direct Synthesis of Hydrogen Peroxide from Hydrogen and Oxygen Using Tailored Pd Nanocatalysts: A Review of Recent Findings. <i>Catalysis Surveys From Asia</i> , 2017, 21, 1-12.	1.0	58
32	Effect of shell thickness of Pd core-porous SiO ₂ shell catalysts on direct synthesis of H ₂ O ₂ from H ₂ and O ₂ . <i>Journal of Molecular Catalysis A</i> , 2017, 426, 238-243.	4.8	13
33	Core-shell structured, nano-Pd-embedded SiO ₂ -Al ₂ O ₃ catalyst (Pd@SiO ₂ -Al ₂ O ₃) for direct hydrogen peroxide synthesis from hydrogen and oxygen. <i>Applied Catalysis A: General</i> , 2016, 511, 87-94.	2.2	37
34	A yolk-shell structured Pd@void@ZrO ₂ catalyst for direct synthesis of hydrogen peroxide from hydrogen and oxygen. <i>Journal of Molecular Catalysis A</i> , 2016, 413, 1-6.	4.8	20
35	Shape-dependent catalytic activity of palladium nanoparticles for the direct synthesis of hydrogen peroxide from hydrogen and oxygen. <i>Journal of Molecular Catalysis A</i> , 2014, 391, 48-54.	4.8	58