

# Dae-Won Lee

## List of Publications by Year in descending order

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31  
papers

1,020  
citations

394421

19  
h-index

434195

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g-index

32  
all docs

32  
docs citations

32  
times ranked

1435  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal-Corrosion-Free Electrode-Integrated Cell Chip for Promotion of Electrically Stimulated Neurite Outgrowth. <i>Biochip Journal</i> , 2022, 16, 99-110.	4.9	6
2	Ozone-induced lean methane oxidation over cobalt ion-exchanged BEA catalyst under dry reaction conditions. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, , .	5.8	2
3	Enhancement of Combustive Removal of Soot at Low Temperatures (~ 150 Å°C) Using Ozone as an Oxidant and Potassium-Substituted Lanthanum Manganite as a Catalyst. <i>Ozone: Science and Engineering</i> , 2021, 43, 461-475.	2.5	5
4	Investigation of the ozone-induced oxidation of soot over LaMnO <sub>3</sub> catalyst using O <sub>3</sub> /O <sub>2</sub> temperature-programmed desorption experiments. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 259-276.	1.7	2
5	High catalytic activity of gold nanoparticle-templated, tyrosine-rich peptide self-assemblies for 3,3,5,5-tetramethylbenzidine oxidation in the absence of hydrogen peroxide. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 128, 349-359.	1.7	5
6	Au ion-mediated self-assembled tyrosine-rich peptide nanostructure embedded with gold nanoparticle satellites. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 64, 461-466.	5.8	8
7	Preface: International symposium on catalytic conversion of energy and resources, 2016. <i>Research on Chemical Intermediates</i> , 2018, 44, 3659-3660.	2.7	1
8	Preparation of Silica Coated Magnetic Nanoparticles for Bioseparation. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1414-1418.	0.9	25
9	Gold Nanoparticle-Stabilized, Tyrosine-Rich Peptide Self-Assemblies and Their Catalytic Activities in the Reduction of 4-Nitrophenol. <i>Biomacromolecules</i> , 2018, 19, 4534-4541.	5.4	20
10	Hydrogenation of CO <sub>2</sub> to methanol over Pd-Cu/CeO <sub>2</sub> catalysts. <i>Molecular Catalysis</i> , 2017, 434, 146-153.	2.0	92
11	Direct Synthesis of Hydrogen Peroxide from Hydrogen and Oxygen over Mesoporous Silica-Shell-Coated, Palladium-Nanocrystal-Grafted SiO <sub>2</sub> Nanobeads. <i>ACS Catalysis</i> , 2017, 7, 3039-3048.	11.2	60
12	Catalytic activity of Pd octahedrons/SiO <sub>2</sub> for the direct synthesis of hydrogen peroxide from hydrogen and oxygen. <i>Journal of Molecular Catalysis A</i> , 2016, 420, 88-95.	4.8	39
13	Hydrocracking of vacuum residue using NiWS( x ) dispersed catalysts. <i>Fuel</i> , 2016, 185, 794-803.	6.4	31
14	Production of high-calorie synthetic natural gas using copper-impregnated iron catalysts. <i>Journal of Molecular Catalysis A</i> , 2016, 425, 190-198.	4.8	12
15	A yolk-shell structured Pd@void@ZrO <sub>2</sub> 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
16	Co-Mn-Ru/Al <sub>2</sub> O <sub>3</sub> catalyst for the production of high-calorific synthetic natural gas. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 2220-2226.	2.7	21
17	Zirconia catalysts (ZrO <sub>2</sub> and Na-ZrO <sub>2</sub> ) for the conversion of phenethyl phenyl ether (PPE) in supercritical water. <i>Applied Catalysis A: General</i> , 2015, 493, 149-157.	4.3	24
18	Fe-Zn catalysts for the production of high-calorie synthetic natural gas. <i>Fuel</i> , 2015, 159, 259-268.	6.4	25

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19	Hydrocracking of extra-heavy oil using Cs-exchanged phosphotungstic acid (CsxH3âˆ™xPW12O40, x=1âˆ™3) catalysts. Fuel, 2014, 126, 263-270.	6.4	45
20	The catalytic activity of Pd/WOx/Î³-Al2O3 for hydrodeoxygenation of guaiacol. Applied Catalysis B: Environmental, 2014, 150-151, 438-445.	20.2	122
21	Effect of Pd Particle Size on the Direct Synthesis of Hydrogen Peroxide from Hydrogen and Oxygen over Pd Coreâˆ™Porous SiO2 Shell Catalysts. Catalysis Letters, 2014, 144, 905-911.	2.6	52
22	Heterogeneous Solid Acid Catalysts for Esterification of Free Fatty Acids. Catalysis Surveys From Asia, 2014, 18, 55-74.	2.6	20
23	Direct synthesis of hydrogen peroxide from hydrogen and oxygen over single-crystal cubic palladium on silica catalysts. Journal of Molecular Catalysis A, 2014, 383-384, 64-69.	4.8	44
24	Hydrocracking of vacuum residue into lighter fuel oils using nanosheet-structured WS 2 catalyst. Fuel, 2014, 137, 237-244.	6.4	39
25	Shape-dependent catalytic activity of palladium nanoparticles for the direct synthesis of hydrogen peroxide from hydrogen and oxygen. Journal of Molecular Catalysis A, 2014, 391, 48-54.	4.8	58
26	The catalytic activity of Sulfided Ni/W/TiO2 (anatase) for the hydrodeoxygenation of Guaiacol. Journal of Molecular Catalysis A, 2014, 392, 241-246.	4.8	26
27	Pdâˆ™Cu bimetallic catalysts supported on TiO2âˆ™CeO2 mixed oxides for aqueous nitrate reduction by hydrogen. Journal of Molecular Catalysis A, 2014, 392, 308-314.	4.8	26
28	Catalytic reduction of nitrate in water over Pdâˆ™Cu/TiO2 catalyst: Effect of the strong metal-support interaction (SMSI) on the catalytic activity. Applied Catalysis B: Environmental, 2013, 142-143, 354-361.	20.2	122
29	Direct synthesis of hydrogen peroxide from hydrogen and oxygen over a Pd core-silica shell catalyst. Catalysis Communications, 2011, 12, 968-971.	3.3	34
30	The enhancement of low-temperature combustion of diesel PM through concerted application of FBC and perovskite. Catalysis Today, 2010, 157, 432-435.	4.4	20
31	Title is missing!. Plasma Chemistry and Plasma Processing, 2003, 23, 519-539.	2.4	14