Seong Ihl Woo

List of Publications by Year
in descending order

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179	9,228	53751 45	42364 92
papers	citations	h-index	g-index

179	179	179	11233
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Binary and Ternary Doping of Nitrogen, Boron, and Phosphorus into Carbon for Enhancing Electrochemical Oxygen Reduction Activity. ACS Nano, 2012, 6, 7084-7091.	7.3	812
2	On the mechanism of enhanced oxygen reduction reaction in nitrogen-doped graphene nanoribbons. Physical Chemistry Chemical Physics, 2011, 13, 17505.	1.3	646
3	Recent Advances in Catalytic DeNOXScience and Technology. Catalysis Reviews - Science and Engineering, 2006, 48, 43-89.	5.7	462
4	B, N- and P, N-doped graphene as highly active catalysts for oxygen reduction reactions in acidic media. Journal of Materials Chemistry A, 2013, 1, 3694.	5.2	398
5	Highly Efficient, Selective, and Stable CO₂ Electroreduction on a Hexagonal Zn Catalyst. Angewandte Chemie - International Edition, 2016, 55, 9297-9300.	7.2	304
6	Production of poly(3-hydroxybutyric acid) by fed-batch culture ofAlcaligenes eutrophus with glucose concentration control. Biotechnology and Bioengineering, 1994, 43, 892-898.	1.7	294
7	Long-Range Electron Transfer over Graphene-Based Catalyst for High-Performing Oxygen Reduction Reactions: Importance of Size, N-doping, and Metallic Impurities. Journal of the American Chemical Society, 2014, 136, 9070-9077.	6.6	288
8	Electrochemical oxygen reduction on nitrogen doped graphene sheets in acid media. Electrochemistry Communications, 2010, 12, 1052-1055.	2.3	264
9	Rational Design of a Hierarchical Tin Dendrite Electrode for Efficient Electrochemical Reduction of CO₂. ChemSusChem, 2015, 8, 3092-3098.	3.6	244
10	Modification of proton conducting membrane for reducing methanol crossover in a direct-methanol fuel cell. Journal of Power Sources, 2001, 96, 411-414.	4.0	232
11	Phosphorusâ€“nitrogen dual doped carbon as an effective catalyst for oxygen reduction reaction in acidic media: effects of the amount of P-doping on the physical and electrochemical properties of carbon. Journal of Materials Chemistry, 2012, 22, 12107.	6.7	210
12	Thermoelectric properties of nanocomposite thin films prepared with poly(3,4-ethylenedioxythiophene) poly(styrenesulfonate) and graphene. Physical Chemistry Chemical Physics, 2012, 14, 3530.	1.3	204
13	Heteroatom doped carbons prepared by the pyrolysis of bio-derived amino acids as highly active catalysts for oxygen electro-reduction reactions. Green Chemistry, 2011, 13, 406-412.	4.6	188
14	Additional doping of phosphorus and/or sulfur into nitrogen-doped carbon for efficient oxygen reduction reaction in acidic media. Physical Chemistry Chemical Physics, 2013, 15, 1802-1805.	1.3	166
15	Recent advances in the selective catalytic reduction of NOx by hydrogen in the presence of oxygen. Energy and Environmental Science, 2012, 5, 8799.	15.6	145
16	Quaternary Pt-based electrocatalyst for methanol oxidation by combinatorial electrochemistry. Catalysis Today, 2002, 74, 235-240.	2.2	133
17	Platinum Nanoclusters Studded in the Microporous Nanowalls of Ordered Mesoporous Carbon. Advanced Materials, 2005, 17, 446-451.	11.1	133
18	Recovery of Platinum-Group Metals from Recycled Automotive Catalytic Converters by Carbochlorination. Industrial & Engineering Chemistry Research, 2000, 39, 1185-1192.	1.8	114

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19	Propene polymerization catalyzed over MCM-41 and VPI-5-supported Et(ind)2ZrCl2 catalysts. Macromolecular Rapid Communications, 1996, 17, 749-758.	2.0	101
20	Impedance spectroscopy and morphology of SrBi4Ti4O15 ceramics prepared by soft chemical method. Journal of Alloys and Compounds, 2009, 477, 706-711.	2.8	98
21	Nitrogen-doped graphene/carbon nanotube self-assembly for efficient oxygen reduction reaction in acid media. Applied Catalysis B: Environmental, 2014, 144, 760-766.	10.8	94
22	Synthesis of High-Molecular-Weight Poly(L-lactic acid) by Direct Polycondensation. Macromolecular Chemistry and Physics, 2002, 203, 2245-2250.	1.1	91
23	Photoelectrochemical production of formic acid and methanol from carbon dioxide on metal-decorated CuO/Cu2O-layered thin films under visible light irradiation. Applied Catalysis B: Environmental, 2014, 158-159, 217-223.	10.8	91
24	Highly active N-doped-CNTs grafted on Fe/C prepared by pyrolysis of dicyandiamide on Fe2O3/C for electrochemical oxygen reduction reaction. Applied Catalysis B: Environmental, 2011, 103, 362-368.	10.8	90
25	Effects of Modified Clay on the Morphology and Properties of PMMA/Clay Nanocomposites Synthesized by in Situ Polymerization. Macromolecules, 2008, 41, 4268-4274.	2.2	86
26	Performance of microchannel reactor combined with combustor for methanol steam reforming. Catalysis Today, 2006, 111, 158-163.	2.2	85
27	CO tolerant Pt/WC methanol electro-oxidation catalyst. Electrochemistry Communications, 2007, 9, 2692-2695.	2.3	80
28	Performance degradation study of a direct methanol fuel cell by electrochemical impedance spectroscopy. Electrochimica Acta, 2007, 53, 447-452.	2.6	74
29	Polymerization of Methyl Methacrylate with Ni(II) -Diimine/MAO and Fe(II) and Co(II) Pyridyl Bis(imine)/MAO. Macromolecular Rapid Communications, 2003, 24, 508-511.	2.0	71
30	N-doped carbon prepared by pyrolysis of dicyandiamide with various MeCl2Â·xH2O (Me=Co, Fe, and Ni) composites: Effect of type and amount of metal seed on oxygen reduction reactions. Applied Catalysis B: Environmental, 2012, 119-120, 123-131.	10.8	71
31	Bimetallic Ptâ€“Ru nanowire network for anode material in a direct-methanol fuel cell. Journal of Power Sources, 2003, 124, 420-425.	4.0	69
32	Highly active PtRuFe/C catalyst for methanol electro-oxidation. Electrochemistry Communications, 2007, 9, 2163-2166.	2.3	65
33	Current density dependence on performance degradation of direct methanol fuel cells. Journal of Power Sources, 2006, 158, 1344-1347.	4.0	63
34	Photoelectrochemical production of useful fuels from carbon dioxide on a polypyrrole-coated p-ZnTe photocathode under visible light irradiation. Journal of Materials Chemistry A, 2015, 3, 1089-1095.	5.2	63
35	Highly Efficient, Selective, and Stable CO₂ Electroreduction on a Hexagonal Zn Catalyst. Angewandte Chemie, 2016, 128, 9443-9446.	1.6	61
36	Pt45Ru45M10/C (M=Fe, Co, and Ni) catalysts for methanol electro-oxidation. Catalysis Today, 2008, 132, 123-126.	2.2	60

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37	Doping of chalcogens (sulfur and/or selenium) in nitrogen-doped grapheneâ€“CNT self-assembly for enhanced oxygen reduction activity in acid media. RSC Advances, 2013, 3, 12417.	1.7	56
38	Polymerization of ethylene over metallocenes confined inside the supercage of a NaY zeolite. Macromolecular Rapid Communications, 1995, 16, 489-494.	2.0	53
39	A plate-type reactor coated with zirconia-sol and catalyst mixture for methanol steam-reforming. Journal of Power Sources, 2005, 140, 66-71.	4.0	53
40	Kinetic study of ethylene polymerization by highly active silica supported TiCL4/MgCl2 catalysts. Journal of Applied Polymer Science, 1990, 39, 837-854.	1.3	51
41	Composition optimization of PtRuM/C (M = Fe and Mo) catalysts for methanol electro-oxidation via combinatorial method. Applied Catalysis B: Environmental, 2009, 91, 428-433.	10.8	50
42	Title is missing!. Catalysis Letters, 2000, 70, 35-41.	1.4	49
43	Investigation of Pt/WC/C catalyst for methanol electro-oxidation and oxygen electro-reduction. Journal of Power Sources, 2008, 185, 927-931.	4.0	48
44	Control of molecular weight and molecular weight distribution in ethylene polymerization with metallocene catalysts. Macromolecular Chemistry and Physics, 1995, 196, 2637-2647.	1.1	47
45	Hierarchical Cu pillar electrodes for electrochemical CO₂ reduction to formic acid with low overpotential. Physical Chemistry Chemical Physics, 2016, 18, 6252-6258.	1.3	47
46	Structural, electrical and optical properties of boron doped ZnO thin films using LSMCD method at room temperature. Applied Physics A: Materials Science and Processing, 2009, 97, 821-828.	1.1	46
47	Effect and behavior of cerium oxide in Ni/Î³-Al2O3 catalysts on autothermal reforming of methane: CeAlO3 formation and its role on activity. International Journal of Hydrogen Energy, 2013, 38, 6027-6032.	3.8	46
48	Selective alkylation of aniline with methanol over metallosilicates. Catalysis Letters, 1994, 26, 169-180.	1.4	45
49	Current Status of Combinatorial and High-Throughput Methods for Discovering New Materials and Catalysts. QSAR and Combinatorial Science, 2005, 24, 138-154.	1.5	45
50	Easy and controlled synthesis of nitrogen-doped carbon. Carbon, 2013, 55, 98-107.	5.4	41
51	High-throughput screening of binary catalysts for oxygen electroreduction. Applied Surface Science, 2006, 252, 2580-2587.	3.1	38
52	Sustainable Production of Syngas from Biomassâ€Derived Glycerol by Steam Reforming over Highly Stable Ni/SiC. ChemSusChem, 2012, 5, 1513-1522.	3.6	37
53	In Situ FT-IR Studies on the Mechanism of Selective Catalytic Reduction of NOxby Propene over SnO2/Al2O3Catalyst. Journal of Physical Chemistry B, 2006, 110, 26019-26023.	1.2	36
54	Synergism between CdTe semiconductor and pyridine â€“ photoenhanced electrocatalysis for CO₂reduction to formic acid. RSC Advances, 2014, 4, 3016-3019.	1.7	36

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55	Amide linked conjugated porous polymers for effective CO2 capture and separation. Journal of CO2 Utilization, 2016, 16, 486-491.	3.3	36
56	Combinatorial Screening of Highly Active Pd Binary Catalysts for Electrochemical Oxygen Reduction. ACS Combinatorial Science, 2012, 14, 10-16.	3.8	35
57	Combinatorial High-Throughput Screening for Highly Active Pdâ€“Irâ€“Ce Based Ternary Catalysts in Electrochemical Oxygen Reduction Reaction. ACS Combinatorial Science, 2013, 15, 572-579.	3.8	35
58	Regeneration of spent RFCC catalyst irreversibly deactivated by Ni, Fe, and V contained in heavy oil. Applied Catalysis B: Environmental, 2001, 33, 249-261.	10.8	34
59	Synthesis and Characterization of PMMA/MWNT Nanocomposites Prepared by in Situ Polymerization with Ni(acac)2 Catalyst. Macromolecules, 2009, 42, 8649-8654.	2.2	34
60	Facile growth of N-doped CNTs on Vulcan carbon and the effects of iron content on electrochemical activity for oxygen reduction reaction. International Journal of Hydrogen Energy, 2012, 37, 4563-4570.	3.8	32
61	p-Sulfonatocalix[4]arene as a carrier for curcumin. New Journal of Chemistry, 2014, 38, 1336.	1.4	32
62	Development of enhanced materials for direct-methanol fuel cell by combinatorial method and nanoscience. Catalysis Today, 2004, 93-95, 517-522.	2.2	31
63	Oxygen reduction activity of Pdâ€“Mn3O4 nanoparticles and performance enhancement by voltammetrically accelerated degradation. Physical Chemistry Chemical Physics, 2012, 14, 6842.	1.3	31
64	FTIR Studies of the Reduction of Nitric Oxide by Propene on Pt/ZSM-5 in the Presence of Oxygen. Journal of Physical Chemistry B, 1997, 101, 9005-9009.	1.2	30
65	Cation disorder study of Bi3.25La0.75Ti3O12by neutron powder diffraction and Raman spectroscopy. Journal Physics D: Applied Physics, 2004, 37, 2588-2592.	1.3	30
66	Efficient Route for Cyclic Olefin Polymerization:â€‰ Nonchelated Monodentate Benzimidazole Nickel(II) Complex Catalysts for Vinyl Polymerization of Norbornene. Macromolecules, 2007, 40, 8162-8167.	2.2	30
67	Enhanced electrochemical oxygen reduction reaction by restacking of N-doped single graphene layers. RSC Advances, 2013, 3, 4246.	1.7	30
68	Novel non-chelated cobalt(II) benzimidazole complex catalysts: Synthesis, crystal structures and cocatalyst effect in vinyl polymerization of norbornene. Journal of Organometallic Chemistry, 2008, 693, 729-736.	0.8	29
69	Selective catalytic reduction of NOx in lean-burn engine exhaust over a Pt/V/MCM-41 catalyst. Applied Catalysis B: Environmental, 2003, 44, 311-323.	10.8	28
70	Poisoning effect of SO2 on the catalytic activity of Au/TiO2 investigated with XPS and in situ FT-IR. Applied Catalysis A: General, 2006, 299, 52-57.	2.2	28
71	In situ FTIR study of the selective catalytic reduction of NO on Pt/ZSM-5. Catalysis Today, 1997, 38, 187-192.	2.2	26
72	Compatibilizing capability of poly(Î²-hydroxybutyrate-,co-Ïµ-caprolactone) in the blend of poly(Î²-hydroxybutyrate) and poly(Ïµ-caprolactone). Polymer Bulletin, 1998, 41, 707-712.	1.7	26

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73	Influence of pH on the Adsorption of Uranium Ions by Oxidized Activated Carbon and Chitosan. Separation Science and Technology, 1999, 34, 833-854.	1.3	26
74	Mechanistic study on the SCR of NO by C3H6 over Pt/V/MCM-41. Applied Catalysis B: Environmental, 2003, 44, 301-310.	10.8	26
75	Combined Structural Refinement of Bi3.5La0.5Ti3O12Using Neutron and X-ray Powder Diffraction Data. Journal of Physical Chemistry B, 2005, 109, 968-972.	1.2	26
76	High-Throughput Synthesis of New Ni(II), Pd(II), and Co(II) Catalysts and Polymerization of Norbornene Utilizing the Self-Made Parallel Polymerization Reactor System. Macromolecular Rapid Communications, 2004, 25, 302-306.	2.0	25
77	Glycerol as a Bioderived Sustainable Fuel for Solidâ€Oxide Fuel Cells with Internal Reforming. ChemSusChem, 2009, 2, 1028-1031.	3.6	25
78	Reproducible resistance switching for BaTiO3 thin films fabricated by RF-magnetron sputtering. Thin Solid Films, 2011, 519, 3291-3294.	0.8	25
79	Investigation for the effects of ball milling process on the physical characteristics, the behaviors of carriers and the photocatalytic activity of sulfur doped g-C3N4. International Journal of Hydrogen Energy, 2017, 42, 5485-5495.	3.8	25
80	Residual Oil Hydrodesulfurization Using Dispersed Catalysts in a Carbon-Packed Trickle Bed Flow Reactor. Energy & Fuels, 1995, 9, 2-9.	2.5	24
81	Synthesis and properties of poly(methyl methacrylate)/clay nanocomposites prepared via in situ polymerization with Ni(acac)₂ catalyst. Journal of Applied Polymer Science, 2008, 110, 784-790.	1.3	24
82	Syndiotactic polypropene with MCM-41 supported metallocene [Me2C(Cp)(Flu)]ZrCl2. Macromolecular Rapid Communications, 2000, 21, 909-912.	2.0	23
83	Evaluation of vanadium traps occluded in resid fluidized catalytic cracking (RFCC) catalyst for high gasoline yield. Applied Catalysis A: General, 2006, 306, 1-7.	2.2	23
84	Combinatorial approach for ferroelectric material libraries prepared by liquid source misted chemical deposition method. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1134-1139.	3.3	23
85	Promoting effect of Ni on PdCo alloy supported on carbon for electrochemical oxygen reduction reaction. Catalysis Today, 2014, 232, 171-174.	2.2	23
86	Morphological Study of HDPE Prepared with the Highly Active Silica Supported TiCl4/MgCl2 Catalyst. Polymer Journal, 1989, 21, 697-707.	1.3	22
87	The existence of dual Cu site involved in the selective catalytic reduction of NO with propene on Cu/ZSM-5. Catalysis Letters, 1996, 42, 177-184.	1.4	22
88	Role of oxygen on NOx SCR catalyzed over Cu/ZSM-5 studied by FTIR, TPD, XPS and micropulse reaction. Catalysis Today, 1998, 44, 47-55.	2.2	22
89	Shape and diffusion of the monomer-controlled copolymerization of ethylene and ?-olefins over Cp2ZrCl2 confined in the nanospace of the supercage of NaY. Journal of Polymer Science Part A, 2003, 41, 2171-2179.	2.5	22
90	Improved Performance of Direct Methanol Fuel Cells by Anodic Treatment. Electrochemical and Solid-State Letters, 2007, 10, B23.	2.2	22

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91	Dimensionality-dependent oxygen reduction activity on doped graphene: Is graphene a promising substrate for electrocatalysis?. Nano Energy, 2015, 11, 526-532.	8.2	22
92	Determination of the Number of Active Sites for Olefin Polymerization Catalyzed over Metallocene/MAO Using the CO Inhibition Method. Macromolecules, 1996, 29, 7305-7309.	2.2	20
93	Poisoning Effect of SO2 on NO Reduction by i-Butane over Fe/ZSM-5 Prepared by Sublimation Method. Journal of Catalysis, 2001, 203, 369-374.	3.1	20
94	The effect of the preparation conditions of Pt/ZSM-5 upon its activity and selectivity for the reduction of nitric oxide. Applied Catalysis B: Environmental, 1999, 21, 183-190.	10.8	19
95	The effect of water and acidity of the clay for ethylene polymerization over Cp2ZrCl2 supported on TMA-modified clay materials. Journal of Molecular Catalysis A, 2003, 206, 205-211.	4.8	19
96	Optimization of catalyst layer composition for PEMFC using graphene-based oxygen reduction reaction catalysts. Journal of Power Sources, 2015, 286, 166-174.	4.0	19
97	Kinetics study of slurry-phase propylene polymerization with highly active Mg(OEt)2/benzoyl chloride/TiCl4 catalyst. Journal of Applied Polymer Science, 1994, 52, 1739-1750.	1.3	18
98	Structural study of Bi₄Ti₃O₁₂using neutron powder diffraction data. Journal of Materials Science Letters, 2003, 22, 1655-1657.	0.5	18
99	Enhancement of catalytic activity of Au/TiO2 by thermal and plasma treatment. Korean Journal of Chemical Engineering, 2013, 30, 1876-1881.	1.2	18
100	Analysis of microstructure of ethylene-1-hexene copolymer prepared over thermally pretreated MgCl2/THF/TiCl4bimetallic catalyst. Journal of Polymer Science Part A, 1998, 36, 291-300.	2.5	17
101	Enhancement in Electro-Oxidation of Methanol over PtRu Black Catalyst through Strong Interaction with Iron Oxide Nanoclusterâ€. Langmuir, 2010, 26, 16529-16533.	1.6	17
102	Polyethyleneâ€Montmorillonite Nanocomposites: Preparation, Characterization and Properties. Macromolecular Symposia, 2007, 260, 49-57.	0.4	16
103	Effect of fluorine addition on boron doped ZnO transparent electrode by room temperature spray method and thermal treatment. Materials Chemistry and Physics, 2011, 131, 77-83.	2.0	16
104	The effect of preparation conditions of Pt/Al2O3 on its catalytic performance for the H2-SCR in the presence of oxygen. Frontiers of Environmental Science and Engineering, 2013, 7, 457-463.	3.3	16
105	Sorption and Desorption Behavior of⁶⁰Co,⁸⁵Sr, and¹³⁷Cs in a Porous Tuff. Journal of Nuclear Science and Technology, 1992, 29, 1184-1193.	0.7	15
106	Ternary Pt45Ru45M10/C (M=Mn, Mo and W) catalysts for methanol and ethanol electro-oxidation. Korean Journal of Chemical Engineering, 2009, 26, 1028-1033.	1.2	15
107	Improvement of oxygen vacancy migration through Nb doping on Ba0.7Sr0.3TiO3 thin films for resistance switching random access memory application. Applied Physics Letters, 2012, 100, .	1.5	15
108	Title is missing!. Catalysis Letters, 2002, 79, 45-48.	1.4	14

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109	Catalytic property of Pt/AlSBA-15 in selective catalytic reduction of NO. Catalysis Letters, 2006, 110, 247-254.	1.4	14
110	Preparation and characterization of polyethylene (PE)/clay nanocomposites by in situ polymerization with vanadium-based intercalation catalyst. Polymer Bulletin, 2008, 61, 453-460.	1.7	14
111	Combinatorial High-Throughput Optical Screening of High Performance Pd Alloy Cathode for Hybrid Liâ€“Air Battery. ACS Combinatorial Science, 2014, 16, 670-677.	3.8	14
112	Polymerization of propylene by highly active catalysts synthesized with Mg(OEt)2/benzoyl chloride/TiCl4. Polymer Bulletin, 1990, 23, 35-42.	1.7	13
113	Preparation of BST thin films on Pt electrode on Si wafer with down-flow LSMCVD reactor. Integrated Ferroelectrics, 1996, 12, 185-197.	0.3	13
114	Effect of preparation and reaction condition on the catalytic performance of Moâ€“Vâ€“Teâ€“Nb catalysts for selective oxidation of propane to acrylic acid by high-throughput methodology. Catalysis Today, 2008, 137, 61-70.	2.2	13
115	Enhanced hydrothermal stability of ZSM-5 formed from nanocrystalline seeds for naphtha catalytic cracking. Journal of Materials Science, 2016, 51, 3735-3749.	1.7	13
116	The Characterization of LiMn2O4 Thin Film Cathode for Lithium Rechargeable Microbattery Prepared by Liquid Source Misted Chemical Deposition. Chemical Vapor Deposition, 2003, 9, 187-192.	1.4	12
117	Novel Snâ€“Ce/Al2O3 Catalyst for the Selective Catalytic Reduction of NOx Under Lean Conditions. Catalysis Letters, 2006, 106, 35-40.	1.4	12
118	Effect of heat treatment on PtRu/C catalyst for methanol electro-oxidation. Journal of Applied Electrochemistry, 2009, 39, 1503-1508.	1.5	12
119	Diamond@carbon-onion hybrid nanostructure as a highly promising electrocatalyst for the oxygen reduction reaction. RSC Advances, 2016, 6, 27528-27534.	1.7	12
120	Polymerization of propylene catalyzed over highly active and stereospecific catalysts synthesized with Mg(OEt)2/benzoyl chloride/TiCl4. Journal of Polymer Science Part A, 1992, 30, 2263-2271.	2.5	11
121	Fast Pyrolysis of Chlorodifluoromethane in a Microwave-Heated Fluidized Bed.. Journal of Chemical Engineering of Japan, 1999, 32, 171-176.	0.3	11
122	Density Functional Theory Studies of NO and NO2 Adsorption on Al2O3 Supported SnO2 Cluster. Catalysis Letters, 2013, 143, 912-918.	1.4	11
123	Preparation, characterization, and reactivity of Pt/SDBC catalysts for the hydrogen-water isotopic exchange reaction. Journal of Radioanalytical and Nuclear Chemistry, 1999, 242, 709-715.	0.7	10
124	Regeneration of Spent Resid Fluidized Catalytic Cracking Catalyst by Removing Metal Poisons Such as V, Ni, and Fe. Industrial & Engineering Chemistry Research, 2003, 42, 736-742.	1.8	10
125	Homo- and co-polymerization of ethylene with highly active Ti/Mg bimetallic complexes. Polymer Bulletin, 1989, 22, 239-246.	1.7	9
126	Effect of CO and CO2 addition to the CF4/O2 gas system on the etching of a low-pressure chemical vapor deposition tungsten film. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1995, 13, 914.	1.6	9

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127	High-Throughput Screening for the Promoters of Alumina Supported Ni Catalysts in Autothermal Reforming of Methane. Topics in Catalysis, 2010, 53, 123-128.	1.3	9
128	Synthesis and properties of poly(methyl methacrylate)/carbon nanotube composites covalently integrated through in situ radical polymerization. Journal of Applied Polymer Science, 2011, 119, 452-459.	1.3	9
129	High thermoelectric power in a NaxCoO2 thin film prepared by sputtering with rapid thermal annealing. Current Applied Physics, 2015, 15, 412-416.	1.1	9
130	Vacuum residue upgrading through hydroprocessing with subcritical water. Catalysis Today, 2016, 265, 118-123.	2.2	9
131	Thermal degradation of polytetrafluoroethylene in flowing helium atmosphere II. Product distribution and reaction mechanism. Korean Journal of Chemical Engineering, 1995, 12, 183-187.	1.2	8
132	Aromatization of pentane catalyzed over various metallosilicates. Korean Journal of Chemical Engineering, 1997, 14, 249-256.	1.2	8
133	Title is missing!. Catalysis Letters, 2003, 85, 69-72.	1.4	8
134	Comparison of Two Preparation Methods in the Redox Properties of Pd/CeO2/Ta/Si Model Catalysts: Spin Coating Versus Sputter Deposition. Catalysis Letters, 2004, 98, 23-28.	1.4	8
135	Ferroelectric properties of Bi4âˆ'xCexTi3O12 (0<x<4) thin film array fabricated from Bi2O3âˆ•CeO2âˆ•TiO2 multilayers using multitarget sputtering. Applied Physics Letters, 2008, 92, 052911.	1.5	8
136	Combinatorial Science and High-Throughput Experiments for Catalysis. Topics in Catalysis, 2010, 53, 1-1.	1.3	8
137	Propylene polymerization with unbridged rac- or meso-bis[1-(p-toly)indenyl]dichloro zirconium/methylaluminoxane catalyst. Polymer Bulletin, 1996, 37, 35-41.	1.7	7
138	Copolymerization of ethylene?1-hexene over a thermally pretreated MgCl2/THF/TiCl4 bimetallic catalyst. Journal of Polymer Science Part A, 1997, 35, 2769-2776.	2.5	7
139	Anisotropic etching characteristics of platinum electrode for ferroelectric capacitor. IEEE Transactions on Electron Devices, 1999, 46, 984-992.	1.6	7
140	Overview on the selective lean NO x reduction by hydrocarbons over Pt-based catalysts. Catalysis Surveys From Asia, 2006, 10, 8-15.	1.0	7
141	Polymerization of Methyl Acrylate by a 2,6-Bis(2-benzimidazyl)pyridine Zirconium Dichloride/MAO Catalyst System. Macromolecular Chemistry and Physics, 2006, 207, 1965-1971.	1.1	7
142	Promoting Effect of CeO2 on NO x Reduction with Propene over SnO2/Al2O3 Catalyst Studied with InÂsitu FT-IR Spectroscopy. Catalysis Letters, 2008, 120, 143-147.	1.4	7
143	Dimensional tailoring of nitrogen-doped graphene for high performance supercapacitors. RSC Advances, 2016, 6, 55577-55583.	1.7	7
144	Kinetic study for the decay rate of ethylene polymerization catalyzed over silica supported TiCl4/MgCl2 catalysts. Korean Journal of Chemical Engineering, 1990, 7, 95-99.	1.2	6

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145	Dissolution Behaviors of Copper Metal in Alkaline H2O2-EDTA Solutions. Journal of Nuclear Science and Technology, 1993, 30, 549-553.	0.7	6
146	Preparation and characteristics of lead titanate by glow discharge using metal-organic precursors. Integrated Ferroelectrics, 1994, 5, 107-118.	0.3	6
147	Kinetics of propylene polymerization in the initial acceleration stage. Journal of Polymer Science Part A, 1994, 32, 971-977.	2.5	6
148	Effect of vanadium content on remanent polarization in bismuth titanate thin films prepared by liquid source misted chemical deposition. Applied Physics Letters, 2007, 90, 042912.	1.5	6
149	High-throughput screening of transition metal-doped TiO2 in photodecomposition of phenol under visible light. Korean Journal of Chemical Engineering, 2004, 21, 123-125.	1.2	5
150	Validation of the catalytic properties of Cu-Os/13X using single fixed bed reactor in selective catalytic reduction of NO. Applied Surface Science, 2007, 254, 677-681.	3.1	5
151	Chemiluminescence analyzer of NOxas a high-throughput screening tool in selective catalytic reduction of NO. Science and Technology of Advanced Materials, 2011, 12, 054211.	2.8	5
152	Nanometer-thick amorphous-SnO2 layer as an oxygen barrier coated on a transparent AZO electrode. Electronic Materials Letters, 2016, 12, 499-505.	1.0	5
153	Computer Simulation Study of Transient Diffusion of Cesium through Granite with Unsteady-State Diffusion Model. Journal of Nuclear Science and Technology, 1992, 29, 786-793.	0.7	4
154	Formation of a silicate layer between lead oxide and a silicon-wafer surface during heat treatment. Journal of Materials Science, 1997, 32, 815-820.	1.7	4
155	Wet oxidation of wastewater containing hydrocarbons by novel supported Pd catalysts. Korean Journal of Chemical Engineering, 1997, 14, 479-485.	1.2	4
156	Selective Catalytic Reduction of NOxin Lean Burn Engine Exhaust by Highly Active Pt Supported on V-impregnated MCM-41. Chemistry Letters, 2002, 31, 246-247.	0.7	4
157	Poisoning effect of CO on ethylene polymerization with Ni(II)â€“diimine/MAO. Polymer, 2006, 47, 184-192.	1.8	4
158	Optimum concentration gradient of the electrocatalyst, NafionÂ® and poly(tetrafluoroethylene) in a membrane-electrode-assembly for enhanced performance of direct methanol fuel cells. Physical Chemistry Chemical Physics, 2010, 12, 15259.	1.3	4
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160	Preparation of PbZrO3thin films by plasma enhanced metalorganic chemical vapor deposition. Journal of Materials Science Letters, 2003, 22, 1677-1678.	0.5	3
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