

Seong Ihl Woo

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ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
179	Binary and ternary doping of nitrogen, boron, and phosphorus into carbon for enhancing electrochemical oxygen reduction activity. <i>ACS Nano</i> , 2012 , 6, 7084-91	16.7	701
178	On the mechanism of enhanced oxygen reduction reaction in nitrogen-doped graphene nanoribbons. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 17505-10	3.6	588
177	Recent Advances in Catalytic DeNOX Science and Technology. <i>Catalysis Reviews - Science and Engineering</i> , 2006 , 48, 43-89	12.6	420
176	B, N- and P, N-doped graphene as highly active catalysts for oxygen reduction reactions in acidic media. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3694	13	355
175	Production of poly(3-hydroxybutyric acid) by fed-batch culture of <i>Alcaligenes eutrophus</i> with glucose concentration control. <i>Biotechnology and Bioengineering</i> , 1994 , 43, 892-8	4.9	258
174	Long-range electron transfer over graphene-based catalyst for high-performing oxygen reduction reactions: importance of size, N-doping, and metallic impurities. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9070-7	16.4	256
173	Electrochemical oxygen reduction on nitrogen doped graphene sheets in acid media. <i>Electrochemistry Communications</i> , 2010 , 12, 1052-1055	5.1	243
172	Highly Efficient, Selective, and Stable CO ₂ Electroreduction on a Hexagonal Zn Catalyst. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9297-300	16.4	227
171	Rational Design of a Hierarchical Tin Dendrite Electrode for Efficient Electrochemical Reduction of CO ₂ . <i>ChemSusChem</i> , 2015 , 8, 3092-8	8.3	204
170	Modification of proton conducting membrane for reducing methanol crossover in a direct-methanol fuel cell. <i>Journal of Power Sources</i> , 2001 , 96, 411-414	8.9	202
169	Phosphorus/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. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12107		191
168	Thermoelectric properties of nanocomposite thin films prepared with poly(3,4-ethylenedioxythiophene) poly(styrenesulfonate) and graphene. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 3530-6	3.6	181
167	Heteroatom doped carbons prepared by the pyrolysis of bio-derived amino acids as highly active catalysts for oxygen electro-reduction reactions. <i>Green Chemistry</i> , 2011 , 13, 406-412	10	167
166	Additional doping of phosphorus and/or sulfur into nitrogen-doped carbon for efficient oxygen reduction reaction in acidic media. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 1802-5	3.6	150
165	Platinum Nanoclusters Studied in the Microporous Nanowalls of Ordered Mesoporous Carbon. <i>Advanced Materials</i> , 2005 , 17, 446-451	24	129
164	Quaternary Pt-based electrocatalyst for methanol oxidation by combinatorial electrochemistry. <i>Catalysis Today</i> , 2002 , 74, 235-240	5.3	125
163	Recent advances in the selective catalytic reduction of NO _x by hydrogen in the presence of oxygen. <i>Energy and Environmental Science</i> , 2012 , 5, 8799	35.4	109

162	Recovery of Platinum-Group Metals from Recycled Automotive Catalytic Converters by Carbochlorination. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 1185-1192	3.9	94
161	Impedance spectroscopy and morphology of SrBi ₄ Ti ₄ O ₁₅ ceramics prepared by soft chemical method. <i>Journal of Alloys and Compounds</i> , 2009 , 477, 706-711	5.7	87
160	Nitrogen-doped graphene/carbon nanotube self-assembly for efficient oxygen reduction reaction in acid media. <i>Applied Catalysis B: Environmental</i> , 2014 , 144, 760-766	21.8	86
159	Propene polymerization catalyzed over MCM-41 and VPI-5-supported Et(ind) ₂ ZrCl ₂ catalysts. <i>Macromolecular Rapid Communications</i> , 1996 , 17, 749-758	4.8	86
158	Effects of Modified Clay on the Morphology and Properties of PMMA/Clay Nanocomposites Synthesized by in Situ Polymerization. <i>Macromolecules</i> , 2008 , 41, 4268-4274	5.5	84
157	Synthesis of High-Molecular-Weight Poly(L-lactic acid) by Direct Polycondensation. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 2245-2250	2.6	81
156	CO tolerant Pt/WC methanol electro-oxidation catalyst. <i>Electrochemistry Communications</i> , 2007 , 9, 2692-2695	3.695	77
155	Highly active N-doped-CNTs grafted on Fe/C prepared by pyrolysis of dicyandiamide on Fe ₂ O ₃ /C for electrochemical oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2011 , 103, 362-368	21.8	76
154	Performance of microchannel reactor combined with combustor for methanol steam reforming. <i>Catalysis Today</i> , 2006 , 111, 158-163	5.3	74
153	Photoelectrochemical production of formic acid and methanol from carbon dioxide on metal-decorated CuO/Cu ₂ O-layered thin films under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2014 , 158-159, 217-223	21.8	70
152	Performance degradation study of a direct methanol fuel cell by electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2007 , 53, 447-452	6.7	70
151	Polymerization of Methyl Methacrylate with Ni(II) Diimine/MAO and Fe(II) and Co(II) Pyridyl Bis(imine)/MAO. <i>Macromolecular Rapid Communications</i> , 2003 , 24, 508-511	4.8	67
150	Bimetallic PtRu nanowire network for anode material in a direct-methanol fuel cell. <i>Journal of Power Sources</i> , 2003 , 124, 420-425	8.9	67
149	Highly active PtRuFe/C catalyst for methanol electro-oxidation. <i>Electrochemistry Communications</i> , 2007 , 9, 2163-2166	5.1	62
148	N-doped carbon prepared by pyrolysis of dicyandiamide with various MeCl ₂ ·xH ₂ O (Me = Co, Fe, and Ni) composites: Effect of type and amount of metal seed on oxygen reduction reactions. <i>Applied Catalysis B: Environmental</i> , 2012 , 119-120, 123-131	21.8	61
147	Current density dependence on performance degradation of direct methanol fuel cells. <i>Journal of Power Sources</i> , 2006 , 158, 1344-1347	8.9	57
146	Pt ₄₅ Ru ₄₅ M ₁₀ /C (M=Fe, Co, and Ni) catalysts for methanol electro-oxidation. <i>Catalysis Today</i> , 2008 , 132, 123-126	5.3	54
145	A plate-type reactor coated with zirconia-sol and catalyst mixture for methanol steam-reforming. <i>Journal of Power Sources</i> , 2005 , 140, 66-71	8.9	52

144	Photoelectrochemical production of useful fuels from carbon dioxide on a polypyrrole-coated p-ZnTe photocathode under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1089-1095 ¹³		48
143	Doping of chalcogens (sulfur and/or selenium) in nitrogen-doped graphene/NT self-assembly for enhanced oxygen reduction activity in acid media. <i>RSC Advances</i> , 2013 , 3, 12417	3.7	47
142	Composition optimization of PtRuM/C (M = Fe and Mo) catalysts for methanol electro-oxidation via combinatorial method. <i>Applied Catalysis B: Environmental</i> , 2009 , 91, 428-433	21.8	45
141	Investigation of Pt/WC/C catalyst for methanol electro-oxidation and oxygen electro-reduction. <i>Journal of Power Sources</i> , 2008 , 185, 927-931	8.9	44
140	The role of lanthanum oxide on Pd-only three-way catalysts prepared by co-impregnation and sequential impregnation methods. <i>Catalysis Letters</i> , 2000 , 70, 35-41	2.8	44
139	Polymerization of ethylene over metallocenes confined inside the supercage of a NaY zeolite. <i>Macromolecular Rapid Communications</i> , 1995 , 16, 489-494	4.8	43
138	Structural, electrical and optical properties of boron doped ZnO thin films using LSMCD method at room temperature. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 97, 821-828	2.6	42
137	Selective alkylation of aniline with methanol over metallocenes. <i>Catalysis Letters</i> , 1994 , 26, 169-180	2.8	42
136	Highly Efficient, Selective, and Stable CO ₂ Electroreduction on a Hexagonal Zn Catalyst. <i>Angewandte Chemie</i> , 2016 , 128, 9443-9446	3.6	41
135	Hierarchical Cu pillar electrodes for electrochemical CO ₂ reduction to formic acid with low overpotential. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 6252-8	3.6	40
134	Control of molecular weight and molecular weight distribution in ethylene polymerization with metallocene catalysts. <i>Macromolecular Chemistry and Physics</i> , 1995 , 196, 2637-2647	2.6	40
133	Kinetic study of ethylene polymerization by highly active silica supported TiCl ₄ /MgCl ₂ catalysts. <i>Journal of Applied Polymer Science</i> , 1990 , 39, 837-854	2.9	38
132	Effect and behavior of cerium oxide in Ni/Al ₂ O ₃ catalysts on autothermal reforming of methane: CeAlO ₃ formation and its role on activity. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 6027-6032	6.7	36
131	High-throughput screening of binary catalysts for oxygen electroreduction. <i>Applied Surface Science</i> , 2006 , 252, 2580-2587	6.7	36
130	Current Status of Combinatorial and High-Throughput Methods for Discovering New Materials and Catalysts. <i>QSAR and Combinatorial Science</i> , 2005 , 24, 138-154		36
129	Sustainable production of syngas from biomass-derived glycerol by steam reforming over highly stable Ni/SiC. <i>ChemSusChem</i> , 2012 , 5, 1513-22	8.3	35
128	Easy and controlled synthesis of nitrogen-doped carbon. <i>Carbon</i> , 2013 , 55, 98-107	10.4	35
127	In situ FT-IR studies on the mechanism of selective catalytic reduction of NO _x by propene over SnO ₂ /Al ₂ O ₃ catalyst. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 26019-23	3.4	35

126	Synergism between CdTe semiconductor and pyridine [photoenhanced electrocatalysis for CO ₂ reduction to formic acid. <i>RSC Advances</i> , 2014 , 4, 3016-3019	3.7	34
125	Combinatorial screening of highly active Pd binary catalysts for electrochemical oxygen reduction. <i>ACS Combinatorial Science</i> , 2012 , 14, 10-6	3.9	33
124	Combinatorial high-throughput screening for highly active Pd-Ir-Ce based ternary catalysts in electrochemical oxygen reduction reaction. <i>ACS Combinatorial Science</i> , 2013 , 15, 572-9	3.9	30
123	Enhanced electrochemical oxygen reduction reaction by restacking of N-doped single graphene layers. <i>RSC Advances</i> , 2013 , 3, 4246	3.7	30
122	Synthesis and Characterization of PMMA/MWNT Nanocomposites Prepared by in Situ Polymerization with Ni(acac) ₂ Catalyst. <i>Macromolecules</i> , 2009 , 42, 8649-8654	5.5	30
121	Facile growth of N-doped CNTs on Vulcan carbon and the effects of iron content on electrochemical activity for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 4563-4570	6.7	29
120	Efficient Route for Cyclic Olefin Polymerization: Nonchelated Monodentate Benzimidazole Nickel(II) Complex Catalysts for Vinyl Polymerization of Norbornene. <i>Macromolecules</i> , 2007 , 40, 8162-8167	5.5	29
119	Cation disorder study of Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ by neutron powder diffraction and Raman spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2004 , 37, 2588-2592	3	29
118	Regeneration of spent RFCC catalyst irreversibly deactivated by Ni, Fe, and V contained in heavy oil. <i>Applied Catalysis B: Environmental</i> , 2001 , 33, 249-261	21.8	29
117	Oxygen reduction activity of Pd-Mn ₃ O ₄ nanoparticles and performance enhancement by voltammetrically accelerated degradation. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 6842-8	3.6	28
116	Novel non-chelated cobalt(II) benzimidazole complex catalysts: Synthesis, crystal structures and cocatalyst effect in vinyl polymerization of norbornene. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 729-736	2.3	27
115	Development of enhanced materials for direct-methanol fuel cell by combinatorial method and nanoscience. <i>Catalysis Today</i> , 2004 , 93-95, 517-522	5.3	27
114	Selective catalytic reduction of NO _x in lean-burn engine exhaust over a Pt/V/MCM-41 catalyst. <i>Applied Catalysis B: Environmental</i> , 2003 , 44, 311-323	21.8	27
113	Amide linked conjugated porous polymers for effective CO ₂ capture and separation. <i>Journal of CO₂ Utilization</i> , 2016 , 16, 486-491	7.6	26
112	FTIR Studies of the Reduction of Nitric Oxide by Propene on Pt/ZSM-5 in the Presence of Oxygen. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 9005-9009	3.4	25
111	Compatibilizing capability of poly(ε-hydroxybutyrate-co-ε-caprolactone) in the blend of poly(ε-hydroxybutyrate) and poly(ε-caprolactone). <i>Polymer Bulletin</i> , 1998 , 41, 707-712	2.4	25
110	p-Sulfonatocalix[4]arene as a carrier for curcumin. <i>New Journal of Chemistry</i> , 2014 , 38, 1336	3.6	24
109	Synthesis and properties of poly(methyl methacrylate)/clay nanocomposites prepared via in situ polymerization with Ni(acac) ₂ catalyst. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 784-790	2.9	24

108	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. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 302-306	4.8	24
107	Mechanistic study on the SCR of NO by C ₃ H ₆ over Pt/V/MCM-41. <i>Applied Catalysis B: Environmental</i> , 2003 , 44, 301-310	21.8	24
106	Influence of pH on the Adsorption of Uranium Ions by Oxidized Activated Carbon and Chitosan. <i>Separation Science and Technology</i> , 1999 , 34, 833-854	2.5	24
105	Promoting effect of Ni on PdCo alloy supported on carbon for electrochemical oxygen reduction reaction. <i>Catalysis Today</i> , 2014 , 232, 171-174	5.3	23
104	Reproducible resistance switching for BaTiO ₃ thin films fabricated by RF-magnetron sputtering. <i>Thin Solid Films</i> , 2011 , 519, 3291-3294	2.2	23
103	Glycerol as a bioderived sustainable fuel for solid-oxide fuel cells with internal reforming. <i>ChemSusChem</i> , 2009 , 2, 1028-31	8.3	21
102	Role of oxygen on NO _x SCR catalyzed over Cu/ZSM-5 studied by FTIR, TPD, XPS and micropulse reaction. <i>Catalysis Today</i> , 1998 , 44, 47-55	5.3	21
101	Improved Performance of Direct Methanol Fuel Cells by Anodic Treatment. <i>Electrochemical and Solid-State Letters</i> , 2007 , 10, B23		21
100	Combinatorial approach for ferroelectric material libraries prepared by liquid source misted chemical deposition method. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 1134-9	11.5	21
99	Combined structural refinement of Bi _{3.5} La _{0.5} Ti ₃ O ₁₂ using neutron and X-ray powder diffraction data. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 968-72	3.4	21
98	Poisoning effect of SO ₂ on the catalytic activity of Au/TiO ₂ investigated with XPS and in situ FT-IR. <i>Applied Catalysis A: General</i> , 2006 , 299, 52-57	5.1	21
97	The existence of dual Cu site involved in the selective catalytic reduction of NO with propene on Cu/ZSM-5. <i>Catalysis Letters</i> , 1996 , 42, 177-184	2.8	20
96	Dimensionality-dependent oxygen reduction activity on doped graphene: Is graphene a promising substrate for electrocatalysis?. <i>Nano Energy</i> , 2015 , 11, 526-532	17.1	19
95	In situ FTIR study of the selective catalytic reduction of NO on Pt/ZSM-5. <i>Catalysis Today</i> , 1997 , 38, 187-192	5.3	19
94	Shape and diffusion of the monomer-controlled copolymerization of ethylene and 1-butene over Cp ₂ ZrCl ₂ confined in the nanospace of the supercage of NaY. <i>Journal of Polymer Science Part A</i> , 2003 , 41, 2171-2179	2.5	19
93	Syndiotactic polypropene with MCM-41 supported metallocene [Me ₂ C(Cp)(Flu)]ZrCl ₂ . <i>Macromolecular Rapid Communications</i> , 2000 , 21, 909-912	4.8	19
92	Determination of the Number of Active Sites for Olefin Polymerization Catalyzed over Metallocene/MAO Using the CO Inhibition Method. <i>Macromolecules</i> , 1996 , 29, 7305-7309	5.5	19
91	Enhancement of catalytic activity of Au/TiO ₂ by thermal and plasma treatment. <i>Korean Journal of Chemical Engineering</i> , 2013 , 30, 1876-1881	2.8	18

90	Evaluation of vanadium traps occluded in resid fluidized catalytic cracking (RFCC) catalyst for high gasoline yield. <i>Applied Catalysis A: General</i> , 2006 , 306, 1-7	5.1	18
89	The effect of water and acidity of the clay for ethylene polymerization over Cp ₂ ZrCl ₂ supported on TMA-modified clay materials. <i>Journal of Molecular Catalysis A</i> , 2003 , 206, 205-211		18
88	Residual Oil Hydrodesulfurization Using Dispersed Catalysts in a Carbon-Packed Trickle Bed Flow Reactor. <i>Energy & Fuels</i> , 1995 , 9, 2-9	4.1	18
87	Structural study of Bi ₄ Ti ₃ O ₁₂ using neutron powder diffraction data. <i>Journal of Materials Science Letters</i> , 2003 , 22, 1655-1657		17
86	Poisoning Effect of SO ₂ on NO Reduction by i-Butane over Fe/ZSM-5 Prepared by Sublimation Method. <i>Journal of Catalysis</i> , 2001 , 203, 369-374	7.3	17
85	The effect of the preparation conditions of Pt/ZSM-5 upon its activity and selectivity for the reduction of nitric oxide. <i>Applied Catalysis B: Environmental</i> , 1999 , 21, 183-190	21.8	17
84	Morphological Study of HDPE Prepared with the Highly Active Silica Supported TiCl ₄ /MgCl ₂ Catalyst. <i>Polymer Journal</i> , 1989 , 21, 697-707	2.7	17
83	Enhancement in electro-oxidation of methanol over PtRu black catalyst through strong interaction with iron oxide nanocluster. <i>Langmuir</i> , 2010 , 26, 16529-33	4	16
82	Analysis of microstructure of ethylene-hexene copolymer prepared over thermally pretreated MgCl ₂ /THF/TiCl ₄ bimetallic catalyst. <i>Journal of Polymer Science Part A</i> , 1998 , 36, 291-300	2.5	16
81	Polyethylene-Montmorillonite Nanocomposites: Preparation, Characterization and Properties. <i>Macromolecular Symposia</i> , 2007 , 260, 49-57	0.8	16
80	Optimization of catalyst layer composition for PEMFC using graphene-based oxygen reduction reaction catalysts. <i>Journal of Power Sources</i> , 2015 , 286, 166-174	8.9	15
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-C ₃ N ₄ . <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 5485-5495	6.7	15
78	Improvement of oxygen vacancy migration through Nb doping on Ba _{0.7} Sr _{0.3} TiO ₃ thin films for resistance switching random access memory application. <i>Applied Physics Letters</i> , 2012 , 100, 262107	3.4	14
77	Preparation and characterization of polyethylene (PE)/clay nanocomposites by in situ polymerization with vanadium-based intercalation catalyst. <i>Polymer Bulletin</i> , 2008 , 61, 453-460	2.4	14
76	Kinetics study of slurry-phase propylene polymerization with highly active Mg(OEt) ₂ /benzoyl chloride/TiCl ₄ catalyst. <i>Journal of Applied Polymer Science</i> , 1994 , 52, 1739-1750	2.9	14
75	Effect of fluorine addition on boron doped ZnO transparent electrode by room temperature spray method and thermal treatment. <i>Materials Chemistry and Physics</i> , 2011 , 131, 77-83	4.4	13
74	Effect of preparation and reaction condition on the catalytic performance of Mo _{0.7} Te _{0.3} Nb catalysts for selective oxidation of propane to acrylic acid by high-throughput methodology. <i>Catalysis Today</i> , 2008 , 137, 61-70	5.3	13
73	Catalytic property of Pt/AlSBA-15 in selective catalytic reduction of NO. <i>Catalysis Letters</i> , 2006 , 110, 247-254	2.8	13

72	The Effect of Chelating Agent on the Catalytic and Structural Properties of Sm ₂ Zr ₂ O ₇ as a Methane Combustion Catalyst. <i>Catalysis Letters</i> , 2002 , 79, 45-48	2.8	13
71	Enhanced hydrothermal stability of ZSM-5 formed from nanocrystalline seeds for naphtha catalytic cracking. <i>Journal of Materials Science</i> , 2016 , 51, 3735-3749	4.3	12
70	The effect of preparation conditions of Pt/Al ₂ O ₃ on its catalytic performance for the H ₂ -SCR in the presence of oxygen. <i>Frontiers of Environmental Science and Engineering</i> , 2013 , 7, 457-463	5.8	12
69	Combinatorial high-throughput optical screening of high performance Pd alloy cathode for hybrid Li-air battery. <i>ACS Combinatorial Science</i> , 2014 , 16, 670-7	3.9	12
68	Effect of heat treatment on PtRu/C catalyst for methanol electro-oxidation. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 1503-1508	2.6	12
67	Novel SnTe/Al ₂ O ₃ Catalyst for the Selective Catalytic Reduction of NO _x Under Lean Conditions. <i>Catalysis Letters</i> , 2006 , 106, 35-40	2.8	12
66	The Characterization of LiMn ₂ O ₄ Thin Film Cathode for Lithium Rechargeable Microbattery Prepared by Liquid Source Misted Chemical Deposition. <i>Chemical Vapor Deposition</i> , 2003 , 9, 187-192		12
65	Preparation of BST thin films on Pt electrode on Si wafer with down-flow LSMCVD reactor. <i>Integrated Ferroelectrics</i> , 1996 , 12, 185-197	0.8	12
64	Sorption and Desorption Behavior of ⁶⁰ Co, ⁸⁵ Sr, and ¹³⁷ Cs in a Porous Tuff. <i>Journal of Nuclear Science and Technology</i> , 1992 , 29, 1184-1193	1	12
63	Ternary Pt ₄₅ Ru ₄₅ M ₁₀ /C (M=Mn, Mo and W) catalysts for methanol and ethanol electro-oxidation. <i>Korean Journal of Chemical Engineering</i> , 2009 , 26, 1028-1033	2.8	10
62	Polymerization of propylene by highly active catalysts synthesized with Mg(OEt) ₂ /benzoyl chloride/TiCl ₄ . <i>Polymer Bulletin</i> , 1990 , 23, 35-42	2.4	10
61	Diamond@carbon-onion hybrid nanostructure as a highly promising electrocatalyst for the oxygen reduction reaction. <i>RSC Advances</i> , 2016 , 6, 27528-27534	3.7	10
60	Synthesis and properties of poly(methyl methacrylate)/carbon nanotube composites covalently integrated through in situ radical polymerization. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 452-459 ^{2.9}		9
59	High-Throughput Screening for the Promoters of Alumina Supported Ni Catalysts in Autothermal Reforming of Methane. <i>Topics in Catalysis</i> , 2010 , 53, 123-128	2.3	9
58	Regeneration of Spent Resid Fluidized Catalytic Cracking Catalyst by Removing Metal Poisons Such as V, Ni, and Fe. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 736-742	3.9	9
57	Density Functional Theory Studies of NO and NO ₂ Adsorption on Al ₂ O ₃ Supported SnO ₂ Cluster. <i>Catalysis Letters</i> , 2013 , 143, 912-918	2.8	8
56	Combinatorial Science and High-Throughput Experiments for Catalysis. <i>Topics in Catalysis</i> , 2010 , 53, 1-1	2.3	8
55	Ferroelectric properties of Bi _{4-x} Ce _x Ti ₃ O ₁₂ (0. <i>Applied Physics Letters</i> , 2008 , 92, 052911	3.4	8

54	Wide Temperature Window in the Catalytic Activity of Novel Pt/ZSM-5 Prepared by a Sublimation Method for Selective Catalytic Reduction of NO. <i>Catalysis Letters</i> , 2003 , 85, 69-72	2.8	8
53	Fast Pyrolysis of Chlorodifluoromethane in a Microwave-Heated Fluidized Bed.. <i>Journal of Chemical Engineering of Japan</i> , 1999 , 32, 171-176	0.8	8
52	Vacuum residue upgrading through hydroprocessing with subcritical water. <i>Catalysis Today</i> , 2016 , 265, 118-123	5.3	7
51	High thermoelectric power in a Na_xCoO_2 thin film prepared by sputtering with rapid thermal annealing. <i>Current Applied Physics</i> , 2015 , 15, 412-416	2.6	7
50	Polymerization of Methyl Acrylate by a 2,6-Bis(2-benzimidazolyl)pyridine Zirconium Dichloride/MAO Catalyst System. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 1965-1971	2.6	7
49	Comparison of Two Preparation Methods in the Redox Properties of Pd/CeO ₂ /Ta/Si Model Catalysts: Spin Coating Versus Sputter Deposition. <i>Catalysis Letters</i> , 2004 , 98, 23-28	2.8	7
48	Anisotropic etching characteristics of platinum electrode for ferroelectric capacitor. <i>IEEE Transactions on Electron Devices</i> , 1999 , 46, 984-992	2.9	7
47	Effect of CO and CO ₂ addition to the CF ₄ /O ₂ gas system on the etching of a low-pressure chemical vapor deposition tungsten film. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1995 , 13, 914		7
46	Propylene polymerization with unbridged rac- or meso-bis[1-(p-toly)indenyl]dichloro zirconium/methylaluminoxane catalyst. <i>Polymer Bulletin</i> , 1996 , 37, 35-41	2.4	7
45	Polymerization of propylene catalyzed over highly active and stereospecific catalysts synthesized with Mg(OEt) ₂ /benzoyl chloride/TiCl ₄ . <i>Journal of Polymer Science Part A</i> , 1992 , 30, 2263-2271	2.5	7
44	Copolymerization of ethylene-1-Hexene over a thermally pretreated MgCl ₂ /THF/TiCl ₄ bimetallic catalyst. <i>Journal of Polymer Science Part A</i> , 1997 , 35, 2769-2776	2.5	6
43	Promoting Effect of CeO ₂ on NO _x Reduction with Propene over SnO ₂ /Al ₂ O ₃ Catalyst Studied with In situ FT-IR Spectroscopy. <i>Catalysis Letters</i> , 2008 , 120, 143-147	2.8	6
42	Effect of vanadium content on remanent polarization in bismuth titanate thin films prepared by liquid source misted chemical deposition. <i>Applied Physics Letters</i> , 2007 , 90, 042912	3.4	6
41	Overview on the selective lean NO _x reduction by hydrocarbons over Pt-based catalysts. <i>Catalysis Surveys From Asia</i> , 2006 , 10, 8-15	2.8	6
40	Dissolution Behaviors of Copper Metal in Alkaline H ₂ O ₂ -EDTA Solutions. <i>Journal of Nuclear Science and Technology</i> , 1993 , 30, 549-553	1	6
39	Homo- and co-polymerization of ethylene with highly active Ti/Mg bimetallic complexes. <i>Polymer Bulletin</i> , 1989 , 22, 239-246	2.4	6
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