

# Norihito Hiyoshi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

112 papers	2,686 citations	26 h-index	47 g-index
115 ext. papers	2,915 ext. citations	4.9 avg, IF	5.11 L-index

#	Paper	IF	Citations
112	Continuous production of glyceric acid and lactic acid by catalytic oxidation of glycerol over an AuPt/Al <sub>2</sub> O <sub>3</sub> bimetallic catalyst using a liquid-phase flow reactor. <i>Catalysis Today</i> , <b>2021</b> , 375, 191-196	5.3	4
111	Observation of La-exchanged NaY zeolite using aberration-corrected scanning transmission electron microscopy. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 311, 110711	5.3	1
110	High dimensionally structured W-V oxides as highly effective catalysts for selective oxidation of toluene. <i>Catalysis Today</i> , <b>2021</b> , 363, 60-66	5.3	3
109	Fabrication of Keggin-type Polyoxometalate Membranes at the Gas-Liquid Interface. <i>Langmuir</i> , <b>2020</b> , 36, 3958-3962	4	3
108	Synthesis of Fluoride-Containing High Dimensionally Structured Nb Oxide and Its Catalytic Performance for Acid Reactions. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 9086-9094	5.1	4
107	Continuous syntheses of carbon-supported Pd and Pd@Pt core-shell nanoparticles using a flow-type single-mode microwave reactor.. <i>RSC Advances</i> , <b>2020</b> , 10, 6571-6575	3.7	8
106	Dissolution/Recrystallization Formation of Huge Thin 2D Silicalite Lamella for Promoted Sorption. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 1901786	4.6	2
105	Catalytic performance of MoO <sub>3</sub> /FAU zeolite catalysts modified by Cu for reverse water gas shift reaction. <i>Applied Catalysis A: General</i> , <b>2020</b> , 592, 117415	5.1	17
104	Synthesis of High Dimensionally Structured Mo-Fe Mixed Metal Oxide and Its Catalytic Activity for Selective Oxidation of Methanol. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 5252-5255	5.1	4
103	Synthesis of a Crystalline Orthorhombic Mo <sub>12</sub> V <sub>2</sub> Cu Oxide for Selective Oxidation of Acrolein. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 1408-1417	9.6	8
102	Stereoselective Aromatic Ring Hydrogenation over Supported Rhodium Catalysts in Supercritical Carbon Dioxide Solvent. <i>Chemical Record</i> , <b>2019</b> , 19, 1926-1934	6.6	1
101	Multi-dimensional Crystal Structuring of Complex Metal Oxide Catalysts of Group V and VI Elements by Unit-Assembling. <i>Topics in Catalysis</i> , <b>2019</b> , 62, 1157-1168	2.3	4
100	One-pot catalytic selective synthesis of 1,4-butanediol from 1,4-anhydroerythritol and hydrogen. <i>Green Chemistry</i> , <b>2018</b> , 20, 2547-2557	10	33
99	Keggin-type polyoxometalate nanosheets: synthesis and characterization via scanning transmission electron microscopy. <i>Chemical Communications</i> , <b>2018</b> , 54, 5217-5220	5.8	2
98	Mechanistic Study of Hydrogen-Driven Deoxydehydration over Ceria-Supported Rhenium Catalyst Promoted by Au Nanoparticles. <i>ACS Catalysis</i> , <b>2018</b> , 8, 584-595	13.1	51
97	Facile Formation of Lactic Acid from a Triose Sugar in Water over Niobium Oxide with a Deformed Orthorhombic Phase. <i>ACS Catalysis</i> , <b>2018</b> , 8, 283-290	13.1	60
96	Continuous Catalytic Oxidation of Glycerol to Carboxylic Acids Using Nanosized Gold/Alumina Catalysts and a Liquid-Phase Flow Reactor. <i>ACS Omega</i> , <b>2018</b> , 3, 13862-13868	3.9	12

95	A zeolitic vanadotungstate family with structural diversity and ultrahigh porosity for catalysis. <i>Nature Communications</i> , <b>2018</b> , 9, 3789	17.4	22
94	Synthesis of Keggin-Type Cobaltomolybdate-Based 3D Framework Material and Characterization Using Atomic-Scale HAADF-STEM and XANES. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 2042-2049	5.1	9
93	Furfuryl Alcohol and Furfural Hydrogenation over Activated Carbon-Supported Palladium Catalyst in Presence of Water and Carbon Dioxide. <i>ChemistrySelect</i> , <b>2017</b> , 2, 2471-2475	1.8	14
92	Synthesis of Crystalline Microporous Mo-V-Bi Oxide for Selective (Amm)Oxidation of Light Alkanes. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 2939-2950	9.6	17
91	The Assembly of an All-Inorganic Porous Soft Framework from Metal Oxide Molecular Nanowires. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 1972-1980	4.8	9
90	A Microporous Aluminosilicate with 12-, 12-, and 8-Ring Pores and Isolated 8-Ring Channels. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 7989-7997	16.4	30
89	Structural Characterization of 2D Zirconomolybdate by Atomic Scale HAADF-STEM and XANES and Its Highly Stable Electrochemical Properties as a Li Battery Cathode. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 14306-14314	5.1	14
88	Acidic Ultrafine Tungsten Oxide Molecular Wires for Cellulosic Biomass Conversion. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 10390-10394	3.6	9
87	Synthesis, crystal structure and characterization of novel open framework CHA-type aluminophosphate involving a chiral diamine. <i>Dalton Transactions</i> , <b>2016</b> , 45, 15193-15202	4.3	6
86	Encapsulation of Two Potassium Cations in Preyssler-Type Phosphotungstates: Preparation, Structural Characterization, Thermal Stability, Activity as an Acid Catalyst, and HAADF-STEM Images. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 11583-11592	5.1	12
85	Oxidative coupling of methane over Mn-Na <sub>2</sub> WO <sub>4</sub> /SiO <sub>2</sub> catalyst with continuous supply of alkali chloride vapor. <i>Fuel Processing Technology</i> , <b>2016</b> , 151, 148-154	7.2	18
84	Crystallization of montesommaite-type aluminosilicate by post-synthetic treatment of lithosite-type aluminosilicate. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 233, 102-108	5.3	
83	Acidic Ultrafine Tungsten Oxide Molecular Wires for Cellulosic Biomass Conversion. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10234-8	16.4	26
82	Preparation of plate-like copper nitride nanoparticles from a fatty acid copper(II) salt and detailed observations by high resolution transmission electron microscopy and high-angle annular dark-field scanning transmission electron microscopy. <i>Materials Letters</i> , <b>2015</b> , 139, 271-274	3.3	4
81	Amphiphilic Organic-Inorganic Hybrid Zeotype Aluminosilicate like a Nanoporous Crystallized Langmuir-Blodgett Film. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7994-8	16.4	13
80	Effect of steam during catalytic cracking of n-hexane using P-ZSM-5 catalyst. <i>Catalysis Communications</i> , <b>2015</b> , 69, 20-24	3.2	19
79	Observation of microporous cesium salts of 12-tungstosilicic acid using scanning transmission electron microscopy. <i>Chemical Communications</i> , <b>2015</b> , 51, 9975-8	5.8	11
78	Utilization of Supercritical Fluid for Catalytic Thermochemical Conversions of Woody-Biomass Related Compounds <b>2015</b> , 437-453		2

77	Oxidative coupling of methane over alkali chloride-MnNa <sub>2</sub> WO <sub>4</sub> /SiO <sub>2</sub> catalysts: Promoting effect of molten alkali chloride. <i>Fuel Processing Technology</i> , <b>2015</b> , 133, 29-34	7.2	35
76	P-ZSM-5 Pretreated by High-Temperature Calcination as Durable Catalysts for Steam Cracking of n-Hexane. <i>Catalysis Letters</i> , <b>2014</b> , 144, 44-49	2.8	11
75	Liquid phase hydrogenation of methyl levulinate over the mixture of supported ruthenium catalyst and zeolite in water. <i>Applied Catalysis A: General</i> , <b>2014</b> , 470, 215-220	5.1	37
74	Discovery of a new crystalline phase: BiGeO <sub>2</sub> (OH) <sub>2</sub> (NO <sub>3</sub> ). <i>CrystEngComm</i> , <b>2014</b> , 16, 10080-10088	3.3	6
73	Continuous syntheses of Pd@Pt and Cu@Ag core-shell nanoparticles using microwave-assisted core particle formation coupled with galvanic metal displacement. <i>Nanoscale</i> , <b>2014</b> , 6, 8720-5	7.7	43
72	Liquid phase oxidation of glycerol in batch and flow-type reactors with oxygen over AuPd nanoparticles stabilized in anion-exchange resin. <i>RSC Advances</i> , <b>2014</b> , 4, 33416-33423	3.7	21
71	Enhancement of reaction rates for catalytic benzaldehyde hydrogenation and sorbitol dehydration in water solvent by addition of carbon dioxide. <i>Journal of Chemical Sciences</i> , <b>2014</b> , 126, 395-401	1.8	8
70	Supercritical water gasification of ethanol production waste over graphite supported ruthenium catalyst. <i>Journal of Molecular Catalysis A</i> , <b>2014</b> , 388-389, 148-153		11
69	Deactivation of ZSM-5 zeolite during catalytic steam cracking of n-hexane. <i>Fuel Processing Technology</i> , <b>2014</b> , 126, 343-349	7.2	41
68	Microscope Analysis of AuPd/TiO <sub>2</sub> Glycerol Oxidation Catalysts Prepared by Deposition-Precipitation Method. <i>Catalysis Letters</i> , <b>2014</b> , 144, 2167-2175	2.8	19
67	Structural changes in $\eta$ IT zeolites related to cation-exchange treatments under aqueous and non-aqueous conditions. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 190, 92-98	5.3	2
66	Solvothermal synthesis and characterization of a layered silicate including a large quantity of Al atom and its mesoporous derivatives. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 191, 38-47	5.3	4
65	Carbon Combustion over Synthetic Potassium Aluminosilicate with $\eta$ IT Structure. <i>Chemistry Letters</i> , <b>2013</b> , 42, 118-120	1.7	
64	Effect of Carbon Dioxide Pressure on 4-t-Butylphenol Hydrogenation Activity of Supported Rhodium Catalyst. <i>Journal of the Japan Petroleum Institute</i> , <b>2013</b> , 56, 165-170	1	1
63	Supercritical Water Gasification of Organosolv Lignin over a Graphite-supported Ruthenium Metal Catalyst. <i>Chemistry Letters</i> , <b>2012</b> , 41, 1453-1455	1.7	12
62	Gasification of Sugarcane Bagasse over Supported Ruthenium Catalysts in Supercritical Water. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 3179-3186	4.1	40
61	Kinetic analysis of 4-isopropylphenol hydrogenation over activated carbon-supported rhodium catalysts in supercritical carbon dioxide solvent. <i>Green Chemistry</i> , <b>2012</b> , 14, 633	10	14
60	Crystal structure, characterization and thermal stability of NH <sub>4</sub> <sup>+</sup> -exchanged $\eta$ IT-type zeolite. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 163, 42-50	5.3	6

59	Gasification of Organosolv-lignin Over Charcoal Supported Noble Metal Salt Catalysts in Supercritical Water. <i>Topics in Catalysis</i> , <b>2012</b> , 55, 889-896	2.3	23
58	Liquid Phase Hydrogenation of Methyl Levulinate over Supported Ruthenium Metal Catalyst. <i>Journal of the Japan Petroleum Institute</i> , <b>2012</b> , 55, 376-379	1	4
57	Cyclization of alkanediols in high-temperature liquid water with high-pressure carbon dioxide. <i>Catalysis Today</i> , <b>2012</b> , 185, 302-305	5.3	11
56	Nanocrystalline sodalite: Preparation and application to epoxidation of 2-cyclohexen-1-one with hydrogen peroxide. <i>Applied Catalysis A: General</i> , <b>2012</b> , 419-420, 164-169	5.1	24
55	Oxidation of Carbon Monoxide with Silver-exchanged Mordenite Containing Cobalt in Framework Sites. <i>Chemistry Letters</i> , <b>2011</b> , 40, 480-481	1.7	1
54	Sorbitol dehydration in high temperature liquid water. <i>Green Chemistry</i> , <b>2011</b> , 13, 873	10	119
53	Acetophenone hydrogenation over a Pd catalyst in the presence of H <sub>2</sub> O and CO <sub>2</sub> . <i>Chemical Communications</i> , <b>2011</b> , 47, 11546-8	5.8	33
52	Stereoselective Intramolecular Dehydration of 2,5-Hexanediol in High-Temperature Liquid Water with High-Pressure Carbon Dioxide. <i>ACS Catalysis</i> , <b>2011</b> , 1, 67-69	13.1	22
51	Chemical Recycling Process of Poly(Ethylene Terephthalate) in High-Temperature Liquid Water. <i>Journal of Chemical Engineering of Japan</i> , <b>2010</b> , 43, 313-317	0.8	5
50	Lignin Gasification over Charcoal-supported Palladium and Nickel Bimetal Catalysts in Supercritical Water. <i>Chemistry Letters</i> , <b>2010</b> , 39, 1251-1253	1.7	12
49	Dehydration of Triol Compounds in High-Temperature Liquid Water Under High-Pressure Carbon Dioxide. <i>Topics in Catalysis</i> , <b>2010</b> , 53, 487-491	2.3	19
48	Gaseous fuel production from nonrecyclable paper wastes by using supported metal catalysts in high-temperature liquid water. <i>ChemSusChem</i> , <b>2010</b> , 3, 737-41	8.3	17
47	Purification of hydrocarbons from aromatic sulfur compounds by supercritical carbon dioxide extraction. <i>Journal of Supercritical Fluids</i> , <b>2010</b> , 55, 122-127	4.2	9
46	Continuous Toluene Hydrogenation System Using Compressed Carbon Dioxide. <i>Journal of Chemical Engineering of Japan</i> , <b>2010</b> , 43, 82-86	0.8	1
45	Hydrogen production from woody biomass over supported metal catalysts in supercritical water. <i>Catalysis Today</i> , <b>2009</b> , 146, 192-195	5.3	84
44	Activity and Selectivity Behavior of 1,2-Epoxyethylbenzene Hydrogenation in Carbon Dioxide Solvent. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 9457-9460	3.9	5
43	Phase Behavior of Hydrogenation of 2-tert-Butylphenol over a Charcoal-Supported Rhodium Catalyst in Carbon Dioxide Solvent. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 1610-1612	2.8	2
42	Thermodynamic Equilibria between Polyalcohols and Cyclic Ethers in High-Temperature Liquid Water. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 2666-2668	2.8	10

4 <sup>1</sup>	Enhancement of cyclic ether formation from polyalcohol compounds in high temperature liquid water by high pressure carbon dioxide. <i>Green Chemistry</i> , <b>2009</b> , 11, 48-52	10	59
4 <sup>0</sup>	Graphite-supported rhodium catalysts for naphthalene hydrogenation in supercritical carbon dioxide solvent. <i>Catalysis Communications</i> , <b>2009</b> , 10, 1681-1684	3.2	8
39	Stereoselective hydrogenation of 4-alkylphenols over carbon-supported rhodium catalyst in supercritical carbon dioxide solvent. <i>Catalysis Communications</i> , <b>2009</b> , 10, 1702-1705	3.2	12
38	Depolymerization of Poly(ethylene terephthalate) to Terephthalic Acid and Ethylene Glycol in High-temperature Liquid Water. <i>Chemistry Letters</i> , <b>2009</b> , 38, 268-269	1.7	13
37	Lignin Gasification over Supported Ruthenium Trivalent Salts in Supercritical Water. <i>Energy &amp; Fuels</i> , <b>2008</b> , 22, 1485-1492	4.1	5 <sup>0</sup>
36	Subcritical Water Regeneration of Supported Ruthenium Catalyst Poisoned by Sulfur. <i>Energy &amp; Fuels</i> , <b>2008</b> , 22, 845-849	4.1	39
35	Enhancement of Glycerol Conversion to Acetol in High-temperature Liquid Water by High-pressure Carbon Dioxide. <i>Chemistry Letters</i> , <b>2008</b> , 37, 926-927	1.7	25
34	Adsorption of Carbon Dioxide on Amine-modified MSU-H Silica in the Presence of Water Vapor. <i>Chemistry Letters</i> , <b>2008</b> , 37, 1266-1267	1.7	25
33	Particle-size Effects of Activated Carbon-supported Rhodium Catalysts on Hydrogenation of Naphthalene in Supercritical Carbon Dioxide Solvent. <i>Chemistry Letters</i> , <b>2008</b> , 37, 734-735	1.7	9
32	EXAFS Study on Structural Change of Charcoal-supported Ruthenium Catalysts during Lignin Gasification in Supercritical Water. <i>Catalysis Letters</i> , <b>2008</b> , 122, 188-195	2.8	3 <sup>1</sup>
3 <sup>1</sup>	Effect of benzothiophene on tetralin hydrogenation over supported rhodium catalyst in supercritical carbon dioxide solvent. <i>Research on Chemical Intermediates</i> , <b>2008</b> , 34, 767-770	2.8	
3 <sup>0</sup>	Reaction Pathway for Catalytic Gasification of Lignin in Presence of Sulfur in Supercritical Water. <i>Energy &amp; Fuels</i> , <b>2007</b> , 21, 1854-1858	4.1	68
29	Estimation of Gas Composition and Cage Occupancies in CH <sub>4</sub> -C <sub>2</sub> H <sub>6</sub> Hydrates by CP-MAS <sup>13</sup> C NMR Technique. <i>Journal of the Japan Petroleum Institute</i> , <b>2007</b> , 50, 132-138	1	2 <sup>1</sup>
28	Hydrogenation of Aromatic Compounds over Supported Transition Metal Catalysts in Supercritical Carbon Dioxide Solvent. <i>Studies in Surface Science and Catalysis</i> , <b>2007</b> , 213-216	1.8	
27	Partial oxidation kinetics of m-hydroxybenzyl alcohol with noble metal catalysts in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , <b>2007</b> , 43, 295-302	4.2	4
26	Hydrogenation of benzothiophene-free naphthalene over charcoal-supported metal catalysts in supercritical carbon dioxide solvent. <i>Applied Catalysis A: General</i> , <b>2007</b> , 331, 1-7	5.1	27
25	Stereoselective hydrogenation of tert-butylphenols over charcoal-supported rhodium catalyst in supercritical carbon dioxide solvent. <i>Journal of Catalysis</i> , <b>2007</b> , 252, 57-68	7.3	3 <sup>0</sup>
24	Effect of Sulfur on Catalytic Gasification of Lignin in Supercritical Water. <i>Energy &amp; Fuels</i> , <b>2007</b> , 21, 1400-1405	4.1	7 <sup>1</sup>



23	Low temperature hydrogenation of 1- and 2-phenylethanols with noble metal catalysts in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , <b>2006</b> , 37, 87-93	4.2	21
22	Control of Stereoselectivity in 4-tert-Butylphenol Hydrogenation over a Carbon-supported Rhodium Catalyst by Carbon Dioxide Solvent. <i>Chemistry Letters</i> , <b>2006</b> , 35, 1060-1061	1.7	9
21	Stereoselective Hydrogenation of Tetralin to cis-Decalin over a Carbon-supported Rhodium Catalyst in Supercritical Carbon Dioxide Solvent. <i>Chemistry Letters</i> , <b>2006</b> , 35, 188-189	1.7	16
20	Selective Hydrogenation of Naphthols to Tetralones over Supported Palladium Catalysts in Supercritical Carbon Dioxide Solvent. <i>Chemistry Letters</i> , <b>2006</b> , 35, 780-781	1.7	4
19	Low temperature hydrogenation of tetralin over supported rhodium catalysts in supercritical carbon dioxide solvent. <i>Applied Catalysis A: General</i> , <b>2006</b> , 310, 194-198	5.1	23
18	Ring hydrogenation of naphthalene and 1-naphthol over supported metal catalysts in supercritical carbon dioxide solvent. <i>Catalysis Today</i> , <b>2006</b> , 115, 248-253	5.3	28
17	Tuning cis-decalin Selectivity in Naphthalene Hydrogenation Over Carbon-supported Rhodium Catalyst Under Supercritical Carbon dioxide. <i>Catalysis Letters</i> , <b>2006</b> , 106, 133-138	2.8	20
16	Enhanced Selectivity to Decalin in Naphthalene Hydrogenation under Supercritical Carbon Dioxide. <i>Chemistry Letters</i> , <b>2005</b> , 34, 424-425	1.7	25
15	Adsorption characteristics of carbon dioxide on organically functionalized SBA-15. <i>Microporous and Mesoporous Materials</i> , <b>2005</b> , 84, 357-365	5.3	486
14	Biphenyl hydrogenation over supported transition metal catalysts under supercritical carbon dioxide solvent. <i>Applied Catalysis A: General</i> , <b>2005</b> , 288, 43-47	5.1	32
13	Adsorption of Carbon Dioxide on Aminosilane-modified Mesoporous Silica. <i>Journal of the Japan Petroleum Institute</i> , <b>2005</b> , 48, 29-36	1	47
12	Hydrogenation of Biphenyl over Charcoal-supported Metal Catalysts under Supercritical Carbon Dioxide. <i>Journal of the Japan Petroleum Institute</i> , <b>2004</b> , 47, 410-411	1	15
11	Selective oxidation of n-butane in the presence of vanadyl pyrophosphates synthesized by intercalation-exfoliation-reduction of layered VOPO <sub>4</sub> ·2H <sub>2</sub> O in 2-butanol. <i>Journal of Catalysis</i> , <b>2004</b> , 221, 225-233	7.3	21
10	Microstructures of V-P-O catalysts derived from VOHPO <sub>4</sub> ·0.5H <sub>2</sub> O of different crystallite sizes. <i>Journal of Molecular Catalysis A</i> , <b>2004</b> , 220, 103-112		12
9	Reversible Adsorption of Carbon Dioxide on Amine-Modified SBA-15 from Flue Gas Containing Water Vapor. <i>Studies in Surface Science and Catalysis</i> , <b>2004</b> , 417-422	1.8	14
8	Adsorption of Carbon Dioxide on Amine Modified SBA-15 in the Presence of Water Vapor. <i>Chemistry Letters</i> , <b>2004</b> , 33, 510-511	1.7	163
7	Preparation of catalyst precursors for selective oxidation of n-butane by exfoliation-reduction of VOPO <sub>4</sub> ·2H <sub>2</sub> O in primary alcohol. <i>Catalysis Today</i> , <b>2003</b> , 78, 281-290	5.3	20
6	55 A highly selective vanadyl pyrophosphate synthesized by exfoliation-reduction in mixed alcohols for n-butane oxidation. <i>Studies in Surface Science and Catalysis</i> , <b>2003</b> , 145, 271-274	1.8	2

5	Thin-Layered Sheets of $\text{VOHPO}_4 \cdot 0.5\text{H}_2\text{O}$ Prepared from $\text{VOPO}_4 \cdot 2\text{H}_2\text{O}$ by Intercalation-Exfoliation-Reduction in Alcohol. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 3882-3888	9.6	60
4	Novel Preparation of Vanadyl Pyrophosphate for Selective Oxidation of n-Butane Utilizing Intercalation and Exfoliation. <i>Chemistry Letters</i> , <b>2001</b> , 30, 484-485	1.7	8
3	Oxidation of n-butane over vanadyl pyrophosphates prepared from lamellar vanadyl alkylphosphates. <i>Catalysis Today</i> , <b>2001</b> , 71, 129-135	5.3	5
2	Vapor phase methylation of pyridine with $\text{CO}$ and $\text{H}_2$ over metal catalysts. <i>Applied Catalysis A: General</i> , <b>1999</b> , 185, 323-327	5.1	5
1	Vapor phase methylation of pyridine with $\text{CO}$ and $\text{CO}_2$ over a Ni catalyst. <i>Reaction Kinetics and Catalysis Letters</i> , <b>1999</b> , 67, 9-12		2