

Yongdan Li

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.

333
papers

11,727
citations

56
h-index

91
g-index

358
ext. papers

13,196
ext. citations

6.4
avg, IF

6.74
L-index

#	Paper	IF	Citations
333	Controlling anodization time to monitor film thickness, phase composition and crystal orientation during anodic growth of TiO ₂ nanotubes. <i>Electrochemistry Communications</i> , 2022 , 134, 107168	5.1	3
332	Highly active titanium oxide photocathode for photoelectrochemical water reduction in alkaline solution. <i>Journal of Power Sources</i> , 2022 , 524, 231095	8.9	0
331	Improved electrochemical oxidation kinetics of La _{0.5} Ba _{0.5} FeO _{3-δ} anode for solid oxide fuel cells with fluorine doping. <i>Journal of Power Sources</i> , 2022 , 521, 230932	8.9	4
330	Highly efficient NO direct decomposition over BaMnO ₃ -CeO ₂ composite catalysts. <i>Applied Catalysis A: General</i> , 2022 , 634, 118543	5.1	1
329	Porous poly(vinylidene fluoride) (PVDF) membrane with 2D vermiculite nanosheets modification for non-aqueous redox flow batteries. <i>Journal of Membrane Science</i> , 2022 , 651, 120468	9.6	0
328	Molecular engineering the naphthalimide compounds as High-Capacity anolyte for nonaqueous redox flow batteries. <i>Chemical Engineering Journal</i> , 2022 , 439, 135766	14.7	1
327	Solid oxide fuel cell with a spin-coated yttria stabilized zirconia/gadolinia doped ceria bi-layer electrolyte.. <i>RSC Advances</i> , 2022 , 12, 13220-13227	3.7	1
326	Reduced TiO ₂ nanotube array as an excellent cathode for hydrogen evolution reaction in alkaline solution. <i>Catalysis Today</i> , 2021 ,	5.3	2
325	Highly selective metal-organic framework-based (MOF-5) separator for non-aqueous redox flow battery. <i>Chemical Engineering Journal</i> , 2021 , 133564	14.7	1
324	Catalytic Ethanolysis of Enzymatic Hydrolysis Lignin over an Unsupported Nickel Catalyst: The Effect of Reaction Conditions. <i>Energy & Fuels</i> , 2021 , 35, 519-528	4.1	2
323	Catalytic conversion of enzymatic hydrolysis lignin into cycloalkanes over a gamma-alumina supported nickel molybdenum alloy catalyst. <i>Bioresource Technology</i> , 2021 , 323, 124634	11	3
322	Enhancement of the electrocatalytic activity of La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} through surface modification by acid etching. <i>Catalysis Today</i> , 2021 , 364, 97-103	5.3	2
321	A high-rate nonaqueous organic redox flow battery. <i>Journal of Power Sources</i> , 2021 , 495, 229819	8.9	8
320	Enhanced oxygen reduction reaction activity of BaCe _{0.2} Fe _{0.8} O _{3-δ} cathode for proton-conducting solid oxide fuel cells via Pr-doping. <i>Journal of Power Sources</i> , 2021 , 495, 229776	8.9	8
319	Tuning the Catalytic Activity of Complex Metal Oxides Prepared by a One-Pot Method for NO Direct Decomposition. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 9399-9408	3.9	1
318	Insight into hydrothermal aging effect on deactivation of Pd/SSZ-13 as low-temperature NO adsorption catalyst: Effect of dealumination and Pd mobility. <i>Applied Catalysis B: Environmental</i> , 2021 , 286, 119874	21.8	10
317	Two-dimensional vermiculite nanosheets-modified porous membrane for non-aqueous redox flow batteries. <i>Journal of Power Sources</i> , 2021 , 500, 229987	8.9	3

316	Effect of preparation methods on the catalytic activity of La _{0.9} Sr _{0.1} CoO ₃ perovskite for CO and C ₃ H ₆ oxidation. <i>Catalysis Today</i> , 2021 , 364, 7-15	5.3	9
315	Coking resistant Ni _{0.8} Sr _{0.2} FeO ₃ composite anode improves the stability of syngas-fueled SOFC. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 9809-9817	6.7	4
314	Base-free selective conversion of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid over a CoO _x -CeO ₂ catalyst. <i>Catalysis Today</i> , 2021 , 367, 2-8	5.3	5
313	A high performing perovskite cathode with in situ exsolved Co nanoparticles for H ₂ O and CO ₂ solid oxide electrolysis cell. <i>Catalysis Today</i> , 2021 , 364, 89-96	5.3	4
312	Promotion of the performance of Cu-SSZ-13 for selective catalytic reduction of NO _x by ammonia in the presence of SO ₂ during high temperature hydrothermal aging. <i>Journal of Catalysis</i> , 2021 , 394, 228-235	7.3	6
311	Understanding the chemistry during the preparation of Pd/SSZ-13 for the low-temperature NO adsorption: The role of NH ₄ -SSZ-13 support. <i>Applied Catalysis B: Environmental</i> , 2021 , 282, 119611	21.8	13
310	Selective demethoxylation of guaiacol to alkylphenols in supercritical methanol over a HT-MoS ₂ catalyst. <i>Catalysis Today</i> , 2021 , 368, 260-271	5.3	0
309	Highly efficient fractionation of corn stover into lignin monomers and cellulose-rich pulp over H ₂ WO ₄ . <i>Applied Catalysis B: Environmental</i> , 2021 , 284, 119731	21.8	8
308	Highly selective oxidation of 5-hydroxymethylfurfural to 2,5-diformylfuran over an MnO ₂ catalyst. <i>Catalysis Today</i> , 2021 , 367, 9-15	5.3	4
307	Bulk phase charge transfer in focus and in sequential along with surface steps. <i>Catalysis Today</i> , 2021 , 364, 2-6	5.3	2
306	Anthraquinone-based electroactive ionic species as stable multi-redox anode active materials for high-performance nonaqueous redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2021 ,	13	1
305	Applications and Fundamentals of Photocatalysis with Solar Energy 2021 , 27-66		0
304	Amorphous Nickel Oxide as Efficient Electrocatalyst for Urea Oxidation Reaction. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 076502	3.9	1
303	Membranes in non-aqueous redox flow battery: A review. <i>Journal of Power Sources</i> , 2021 , 500, 229983	8.9	20
302	Liquid Nitrobenzene-Based Anolyte Materials for High-Current and -Energy-Density Nonaqueous Redox Flow Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 35579-35584	9.5	2
301	Tailoring the BaCoO ₃ -CeO ₂ catalyst for NO direct decomposition: Factors determining catalytic activity. <i>Journal of Catalysis</i> , 2021 , 400, 301-309	7.3	2
300	Ferrocene/Phthalimide Ionic Bipolar Redox-Active Molecule for Symmetric Nonaqueous Redox Flow Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 8045-8051	6.1	6
299	Solvent- and Base-Free Oxidation of 5-Hydroxymethylfurfural over a PdO/AlPO ₄₋₅ Catalyst under Mild Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 13485-13491	3.9	3

298	Cu-Ce _{0.8} Sm _{0.2} O _{2-λ} anode for electrochemical oxidation of methanol in solid oxide fuel cell: Improved activity by La and Nd doping. <i>Solid State Ionics</i> , 2021 , 369, 115728	3.3	1
297	Effect of Ti foil size on the micro sizes of anodic TiO ₂ nanotube array and photoelectrochemical water splitting performance. <i>Chemical Engineering Journal</i> , 2021 , 425, 131415	14.7	7
296	NO direct decomposition: progress, challenges and opportunities. <i>Catalysis Science and Technology</i> , 2021 , 11, 374-391	5.5	4
295	Efficient Aerobic Oxidation of 5-Hydroxymethylfurfural to 2, 5-Furandicarboxylic Acid over a Nanofiber Globule La-MnO ₂ Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 1624-1632	3.9	4
294	Low temperature preparation of dense and highly conductive NASICON electrolyte by solid-state reactive sintering. <i>Solid State Ionics</i> , 2021 , 373, 115811	3.3	0
293	Ferrocene/anthraquinone based bi-redox molecule for symmetric nonaqueous redox flow battery. <i>Journal of Power Sources</i> , 2020 , 480, 229132	8.9	12
292	Pivotal role of N and Bi doping in CQD/Mn ₃ O ₄ composite structure with outstanding visible photoactivity. <i>New Journal of Chemistry</i> , 2020 , 44, 11631-11642	3.6	5
291	High Performance Catalysts BaCo _{3-x} CeO ₂ Prepared by the One-Pot Method for NO Direct Decomposition. <i>ChemCatChem</i> , 2020 , 12, 4297-4303	5.2	6
290	A highly active Ni/Ce _{0.8} Sm _{0.2} O _{1.9} anode catalyst with a three-dimensionally ordered macroporous structure for solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 7792-7800	13	7
289	Amorphous cobalt-cerium binary metal oxides as high performance electrocatalyst for oxygen evolution reaction. <i>Journal of Catalysis</i> , 2020 , 384, 14-21	7.3	17
288	Improved activity of oxygen in Ni _{1-x} Ce _{0.8} Sm _{0.2} O _{2-λ} anode for solid oxide fuel cell with Pr doping. <i>Journal of Power Sources</i> , 2020 , 451, 227809	8.9	5
287	Phosphorus-Modified Mesoporous Inorganic Materials for Production of Hydrocarbon Fuels and Value-Added Chemicals. <i>ChemCatChem</i> , 2020 , 12, 4224-4241	5.2	5
286	Catalytic Depolymerization of Enzymatic Hydrolysis Lignin into Monomers over an Unsupported Nickel Catalyst in Supercritical Ethanol. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 7466-7474	3.9	4
285	A high-performance all-iron non-aqueous redox flow battery. <i>Journal of Power Sources</i> , 2020 , 445, 227331	3.9	32
284	Redox flow battery. <i>Studies in Surface Science and Catalysis</i> , 2020 , 179, 385-413	1.8	1
283	Two-dimensional metal-organic framework nanosheets-modified porous separator for non-aqueous redox flow batteries. <i>Journal of Membrane Science</i> , 2020 , 612, 118463	9.6	8
282	Methane and Natural Gas Utilization. <i>Energy Technology</i> , 2020 , 8, 2000460	3.5	9
281	MOF-templated core-shell Co(II/III)@ZnO hexagonal prisms for selective oxidation of vanillyl alcohol. <i>Catalysis Today</i> , 2020 , 355, 280-285	5.3	7

280	Enhanced hydrothermal stability of Cu-SSZ-13 by compositing with Cu-SAPO-34 in selective catalytic reduction of nitrogen oxides with ammonia. <i>Catalysis Today</i> , 2020 , 355, 627-634	5.3	9
279	Guaiacol demethoxylation catalyzed by Re ₂ O ₇ in ethanol. <i>Catalysis Today</i> , 2020 , 355, 231-237	5.3	1
278	Catalytic ethanolysis of microcrystalline cellulose over a sulfonated hydrothermal carbon catalyst. <i>Catalysis Today</i> , 2020 , 355, 272-279	5.3	6
277	Catalytic Depolymerization of a Lignin-Rich Corncob Residue into Aromatics in Supercritical Ethanol over an Alumina-Supported NiMo Alloy Catalyst. <i>Energy & Fuels</i> , 2019 , 33, 8657-8665	4.1	13
276	Catalytic Conversion of Microcrystalline Cellulose to Glucose and 5-Hydroxymethylfurfural over a Niobic Acid Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 17675-17681	3.9	10
275	Selective carbon-chain increasing of renewable furfural utilizing oxidative condensation reaction catalyzed by mono-dispersed palladium oxide. <i>Molecular Catalysis</i> , 2019 , 477, 110545	3.3	7
274	A-Site Ordered Double Perovskite with in Situ Exsolved Core-Shell Nanoparticles as Anode for Solid Oxide Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6995-7005	9.5	43
273	Effect of Ce and La dopants in Co ₃ O ₄ nanorods on the catalytic activity of CO and C ₃ H ₆ oxidation. <i>Catalysis Science and Technology</i> , 2019 , 9, 1165-1177	5.5	32
272	Highly selective conversion of guaiacol to -butylphenols in supercritical ethanol over a HWO catalyst.. <i>RSC Advances</i> , 2019 , 9, 2764-2771	3.7	5
271	Selective Conversion of Enzymatic Hydrolysis Lignin into Alkylphenols in Supercritical Ethanol over a WO ₃ /Al ₂ O ₃ Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 10255-10263	3.9	17
270	An all organic redox flow battery with high cell voltage.. <i>RSC Advances</i> , 2019 , 9, 13128-13132	3.7	13
269	Phosphorus modification to improve the hydrothermal stability of a Cu-SSZ-13 catalyst for selective reduction of NO _x with NH ₃ . <i>Applied Catalysis B: Environmental</i> , 2019 , 252, 230-239	21.8	41
268	Deoxyalkylation of guaiacol using haggite structured V ₄ O ₆ (OH) ₄ . <i>Catalysis Science and Technology</i> , 2019 , 9, 1922-1932	5.5	7
267	A novel study of sulfur-resistance for CO ₂ separation through asymmetric ceramic-carbonate dual-phase membrane at high temperature. <i>Journal of Membrane Science</i> , 2019 , 581, 72-81	9.6	20
266	Enhanced activity and stability of Sr ₂ FeMo _{0.65} Ni _{0.35} O _{6-δ} anode for solid oxide fuel cells with Na doping. <i>Journal of Power Sources</i> , 2019 , 425, 103-109	8.9	14
265	ZnO-promoted surface diffusion on NiO-Ce _{0.8} Sm _{0.2} O _{1.9} anode for solid oxide fuel cell. <i>Journal of Power Sources</i> , 2019 , 423, 290-296	8.9	16
264	A review on oxygen storage capacity of CeO ₂ -based materials: Influence factors, measurement techniques, and applications in reactions related to catalytic automotive emissions control. <i>Catalysis Today</i> , 2019 , 327, 90-115	5.3	125
263	The Cu migration of Cu-SAPO-34 catalyst for ammonia selective catalytic reduction of NO _x during high temperature hydrothermal aging treatment. <i>Catalysis Today</i> , 2019 , 327, 126-133	5.3	16

- 262 A high H₂ evolution rate under visible light of a CdS/TiO₂@NiS catalyst due to a directional electron transfer between the phases. *Chinese Journal of Chemical Engineering*, **2019**, 27, 544-548 3.2 6
- 261 The promotion effect of nickel and lanthanum on Cu-ZSM-5 catalyst in NO direct decomposition. *Catalysis Today*, **2019**, 327, 203-209 5.3 6
- 260 Enhanced hydrothermal stability of a Cu-SSZ-13 catalyst for the selective reduction of NO_x by NH₃ synthesized with SAPO-34 micro-crystallite as seed. *Journal of Catalysis*, **2019**, 377, 218-223 7.3 26
- 259 A two-anode reduction technique to monitor the defect and dope the surface of TiO₂ nanotube array as photo-anode for water splitting. *Applied Catalysis B: Environmental*, **2019**, 258, 117949 21.8 9
- 258 Supported Mo₂C on Carbon Materials for Kraft Lignin Decomposition into Aromatic Monomers in Ethanol. *Industrial & Engineering Chemistry Research*, **2019**, 58, 12602-12610 3.9 10
- 257 Synthesis-Controlled Ni and Molybdenum Carbide for Base-Promoted Transfer Hydrogenation of Lignin to Aromatic Monomers in Ethanol. *Industrial & Engineering Chemistry Research*, **2019**, 58, 20270-20281 7.0 18
- 256 Enhancing the performance of an all-organic non-aqueous redox flow battery. *Journal of Power Sources*, **2019**, 443, 227283 8.9 22
- 255 A High-Performance Direct Carbon Fuel Cell with Reed Rod Biochar as Fuel. *Journal of the Electrochemical Society*, **2019**, 166, F175-F179 3.9 6
- 254 An On-Line Transient Study on Gassing Mechanism of Lithium Titanate Batteries. *Journal of the Electrochemical Society*, **2019**, 166, A4150-A4157 3.9 2
- 253 Investigation of Direct-Fed Solid Oxide Fuel Cell Fueled by Upgraded Bio-Oil Extracted from Olive Waste Pyrolysis: Part 1: Bio-Oil Characterization and Preliminary Cell Testing. *Energy Technology*, **2019**, 7, 53-60 3.5 1
- 252 Effect of annealing atmosphere on the performance of TiO₂ nanorod arrays in photoelectrochemical water splitting. *Catalysis Today*, **2019**, 330, 189-194 5.3 20
- 251 Effect of Sn addition on improving the stability of Ni-Ce_{0.8}Sm_{0.2}O_{1.9} anode material for solid oxide fuel cells fed with dry CH₄. *Catalysis Today*, **2019**, 330, 209-216 5.3 17
- 250 A LaNi_{0.9}Co_{0.1}O₃ coated Ce_{0.8}Sm_{0.2}O_{1.9} composite anode for solid oxide fuel cells fed with methanol. *Catalysis Today*, **2019**, 327, 220-225 5.3 9
- 249 Investigation of Direct-Fed Solid Oxide Fuel Cell Fueled by Upgraded Bio-Oil Extracted from Olive Waste Pyrolysis: Part 2: Analysis of Electrochemical Behavior and Cell Performance. *Energy Technology*, **2019**, 7, 61-70 3.5 2
- 248 Effects of manganese oxides on the activity and stability of Ni-Ce_{0.8}Sm_{0.2}O_{1.9} anode for solid oxide fuel cells with methanol as the fuel. *Catalysis Today*, **2019**, 330, 222-227 5.3 9
- 247 Effects of surface modification on the reactivity of activated carbon in direct carbon fuel cells. *Electrochimica Acta*, **2018**, 284, 630-638 6.7 14
- 246 A systematic study of the co-solvent effect for an all-organic redox flow battery.. *RSC Advances*, **2018**, 8, 24422-24427 3.7 3
- 245 Facile Preparation of Haggite by Reducing VO in Guaiacol/Methanol Solution. *Inorganic Chemistry*, **2018**, 57, 8705-8708 5.1 3

244	Enhanced efficiency of hematite photoanode for water splitting with the doping of Ge. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 12646-12652	6.7	20
243	Coking-resistant NbO _x -Ni-Ce _{0.8} Sm _{0.2} O _{1.9} anode material for methanol-fueled solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 12748-12755	6.7	10
242	Versatile catalysis of iron: tunable and selective transformation of biomass-derived furfural in aliphatic alcohol. <i>Green Chemistry</i> , 2018 , 20, 3092-3100	10	19
241	A carbon-quantum-dot-sensitized ZnO:Ga/ZnO multijunction composite photoanode for photoelectrochemical water splitting under visible light irradiation. <i>Journal of Catalysis</i> , 2017 , 346, 70-77	7.3	32
240	Effect of chlorine on performance of Pd catalysts prepared via colloidal immobilization. <i>Catalysis Today</i> , 2017 , 297, 308-315	5.3	19
239	Hydrothermally synthesized NiO-samarium doped ceria nano-composite as an anode material for intermediate-temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 22192-22204	6.7	14
238	Molybdenum substitution at the B-site of lanthanum strontium titanate anodes for solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 22294-22301	6.7	14
237	Suppressing the electron-hole recombination rate in hematite photoanode with a rapid cooling treatment. <i>Journal of Catalysis</i> , 2017 , 350, 48-55	7.3	26
236	A benzophenone-based anolyte for high energy density all-organic redox flow battery. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 17488-17494	6.7	29
235	Remarkable improvement of the turn-on characteristics of a Fe ₂ O ₃ photoanode for photoelectrochemical water splitting with coating a FeCoW oxyhydroxide gel. <i>Applied Catalysis B: Environmental</i> , 2017 , 212, 89-96	21.8	31
234	A review on thermal chemical reactions of lignin model compounds. <i>Catalysis Today</i> , 2017 , 298, 276-297	5.3	48
233	Gold-mediated selective transformation of lignin models to aromatic esters in the presence of molecular oxygen. <i>Catalysis Today</i> , 2017 , 298, 190-196	5.3	4
232	Effect of Zn substitution to a LaNiO ₃ perovskite structured catalyst in ethanol steam reforming. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 17362-17375	6.7	13
231	Linear discharge model, power losses and overall efficiency of the solid oxide fuel cell with thin film samarium doped ceria electrolyte. Part II: Power losses and overall efficiency. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 17522-17527	6.7	2
230	Linear discharge model, power losses and overall efficiency of the solid oxide fuel cell with thin film samarium doped ceria electrolyte. Part I: Linear discharge model. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 17528-17535	6.7	0
229	Carbon-resistant Ni _{1-x} Co _x -Ce _{0.8} Sm _{0.2} O _{1.9} anode for solid oxide fuel cells fed with methanol. <i>Catalysis Today</i> , 2017 , 298, 250-257	5.3	28
228	Effect of citric acid addition on the morphology and activity of Ni ₂ P supported on mesoporous zeolite ZSM-5 for the hydrogenation of 4,6-DMDBT and phenanthrene. <i>Journal of Catalysis</i> , 2017 , 345, 295-307	7.3	36
227	Improved Performance of Ni-Mo Based Anode for Direct Methanol Solid Oxide Fuel Cells with the Addition of Rare Earth Oxides. <i>Journal of the Electrochemical Society</i> , 2017 , 164, F1142-F1148	3.9	13

226	Mechanical stability of monolithic catalysts: Improving washcoat adhesion by FeCrAl alloy substrate treatment. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 56, 175-184	6.3	18
225	Selective conversion of guaiacol to substituted alkylphenols in supercritical ethanol over MoO ₃ . <i>Applied Catalysis B: Environmental</i> , 2017 , 219, 592-602	21.8	39
224	Catalytic ethanolsis of Kraft lignin to small-molecular liquid products over an alumina supported molybdenum nitride catalyst. <i>Catalysis Today</i> , 2017 , 298, 9-15	5.3	19
223	Poisoning Effect of H ₂ S on CO ₂ Permeation of Samarium-Doped-Ceria/Carbonate Dual-Phase Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 14662-14669	3.9	13
222	Standardized Procedures Important for Improving Single-Component Ceramic Fuel Cell Technology. <i>ACS Energy Letters</i> , 2017 , 2, 2752-2755	20.1	24
221	Ethanolsis of Kraft Lignin over a Reduction-Modified MoO ₃ Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 14025-14033	3.9	23
220	Sm _{0.5} Ba _{0.5} MnO _{3-δ} Anode for solid oxide fuel cells with hydrogen and methanol as fuels. <i>Catalysis Today</i> , 2017 , 298, 33-39	5.3	19
219	The promotion effect of Fe to Cu-SAPO-34 for selective catalytic reduction of NO _x with NH ₃ . <i>Catalysis Today</i> , 2017 , 297, 84-91	5.3	26
218	Carbon dioxide permeation through ceramic-carbonate dual-phase membrane-effects of sulfur dioxide. <i>Journal of Membrane Science</i> , 2017 , 540, 477-484	9.6	13
217	Particle size effect on the catalyst attrition in a lab-scale fluidized bed. <i>AIChE Journal</i> , 2017 , 63, 914-920	3.6	5
216	Recent advances in the selective catalytic reduction of NO _x with NH ₃ on Cu-Chabazite catalysts. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 346-354	21.8	222
215	Ethanolsis of Kraft lignin to platform chemicals on a MoC _{1-x} /Cu-MgAlO _z catalyst. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 305-313	21.8	55
214	Kinetic and process study of ethanol steam reforming over Ni/Mg(Al)O catalysts: The initial steps. <i>Catalysis Today</i> , 2016 , 259, 312-322	5.3	11
213	Effects of ball milling on structural changes and hydrolysis of lignocellulosic biomass in liquid hot-water compressed carbon dioxide. <i>Korean Journal of Chemical Engineering</i> , 2016 , 33, 2134-2141	2.8	28
212	Fabrication of MnCo ₂ O ₄ -YSZ Composite Cathodes for Solid Oxide Fuel Cells by Electrodeposition. <i>Journal of the Electrochemical Society</i> , 2016 , 163, F863-F866	3.9	9
211	Sr ₂ Fe _{2-3x} Mo _x O _{6-3x} perovskite as an anode in a solid oxide fuel cell: Effect of the substitution ratio. <i>Catalysis Today</i> , 2016 , 259, 417-422	5.3	32
210	Autothermal reforming of ethanol in dense oxygen permeation membrane reactor. <i>Catalysis Today</i> , 2016 , 264, 214-220	5.3	15
209	Catalytic transformation of carbohydrates into 5-hydroxymethyl furfural over tin phosphate in a water-containing system. <i>Catalysis Today</i> , 2016 , 264, 131-135	5.3	17

208	Ni ₂ P clusters on zeolite nanosheet assemblies with high activity and good stability in the hydrodesulfurization of 4,6-dimethyldibenzothiophene. <i>Journal of Catalysis</i> , 2016 , 338, 210-221	7.3	42
207	Facet-selective charge carrier transport, deactivation mechanism and stabilization of a Cu ₂ O photo-electro-catalyst. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 7023-6	3.6	16
206	Bio-methanol fueled intermediate temperature solid oxide fuel cell: A future solution as component in auxiliary power unit for eco-transportation. <i>Materials and Design</i> , 2016 , 97, 331-340	8.1	18
205	Catalytic conversion of <i>Chlorella pyrenoidosa</i> to biofuels in supercritical alcohols over zeolites. <i>Bioresource Technology</i> , 2016 , 209, 313-7	11	10
204	A SnO ₂ -samarium doped ceria additional anode layer in a direct carbon fuel cell. <i>Journal of Power Sources</i> , 2016 , 306, 387-393	8.9	27
203	Enhancing the photoelectrochemical water splitting activity of rutile nanorods by removal of surface hydroxyl groups. <i>Catalysis Today</i> , 2016 , 259, 360-367	5.3	17
202	A conductive ZnO:Ga/ZnO core-shell nanorod photoanode for photoelectrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 14596-14604	6.7	23
201	Near- and supercritical ethanol treatment of biocrude from hydrothermal liquefaction of microalgae. <i>Bioresource Technology</i> , 2016 , 211, 779-82	11	14
200	A single layer solid oxide fuel cell composed of La ₂ NiO ₄ and doped ceria-carbonate with H ₂ and methanol as fuels. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 9059-9065	6.7	25
199	Improved activity and stability of Ni-Ce _{0.8} Sm _{0.2} O _{1.9} anode for solid oxide fuel cells fed with methanol through addition of molybdenum. <i>Journal of Power Sources</i> , 2016 , 320, 251-256	8.9	34
198	Bifunctional polyacrylonitrile fiber-mediated conversion of sucrose to 5-hydroxymethylfurfural in mixed-aqueous systems. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 752-8	4.5	11
197	Attrition of catalyst particles in a laboratory-scale fluidized-bed reactor. <i>Chemical Engineering Science</i> , 2015 , 135, 431-440	4.4	21
196	A ternary g-C ₃ N ₄ /Pt/ZnO photoanode for efficient photoelectrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 9080-9087	6.7	71
195	Improve electrical conductivity of reduced La ₂ Ni _{0.9} Fe _{0.1} O ₄ as the anode of a solid oxide fuel cell by carbon deposition. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 9783-9789	6.7	24
194	N ₂ O formation in the selective catalytic reduction of NO _x with NH ₃ on a CeMoO _x catalyst. <i>Applied Catalysis A: General</i> , 2015 , 505, 8-15	5.1	21
193	Common Pathways in Ethanolysis of Kraft Lignin to Platform Chemicals over Molybdenum-Based Catalysts. <i>ACS Catalysis</i> , 2015 , 5, 4803-4813	13.1	98
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37	Preparation of Ce-Zr-O solid solution. <i>Reaction Kinetics and Catalysis Letters</i> , 2004 , 82, 295-302		5
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35	Enhanced production of carbon nanotubes: combination of catalyst reduction and methane decomposition. <i>Applied Catalysis A: General</i> , 2004 , 258, 121-124	5.1	82
34	Production of CO _x -free hydrogen and nanocarbon by direct decomposition of undiluted methane on Ni/Cu/Alumina catalysts. <i>Applied Catalysis A: General</i> , 2004 , 269, 179-186	5.1	105
33	Chemical Stability and Its Improvement of Palladium-Based Metallic Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 6920-6930	3.9	145
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24	Catalytic synthesized carbon nanostructures from methane using nanocrystalline Ni. <i>Carbon</i> , 2002 , 40, 409-415	10.4	47
23	Effects of the calcination conditions on the mechanical properties of a PCoMo/Al ₂ O ₃ hydrotreating catalyst. <i>Chemical Engineering Science</i> , 2002 , 57, 3495-3504	4.4	29
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15	Formation of bamboo-like nanocarbon and evidence for the quasi-liquid state of nanosized metal particles at moderate temperatures. <i>Chemical Communications</i> , 1999 , 1141-1142	5.8	68
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