

# Ralph T Yang

## List of Publications by Citations

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papers

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59  
h-index

111  
g-index

127  
ext. papers

13,370  
ext. citations

5.7  
avg, IF

6.86  
L-index

#	Paper	IF	Citations
125	<b>2003,</b>		780
124	Desulfurization of transportation fuels with zeolites under ambient conditions. <i>Science</i> , <b>2003</b> , 301, 79-81	33.3	772
123	Low-temperature selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> over metal oxide and zeolite catalysts: A review. <i>Catalysis Today</i> , <b>2011</b> , 175, 147-156	5.3	699
122	Amine-Grafted MCM-48 and Silica Xerogel as Superior Sorbents for Acidic Gas Removal from Natural Gas. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 2427-2433	3.9	586
121	Performance and kinetics study for low-temperature SCR of NO with NH <sub>3</sub> over MnO <sub>x</sub> /CeO <sub>2</sub> catalyst. <i>Journal of Catalysis</i> , <b>2003</b> , 217, 434-441	7.3	485
120	Characterization and FTIR Studies of MnO <sub>x</sub> /CeO <sub>2</sub> Catalyst for Low-Temperature Selective Catalytic Reduction of NO with NH <sub>3</sub> . <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 15738-15747	3.4	388
119	Gas Separation by Adsorption Processes. <i>Series on Chemical Engineering</i> , <b>1997</b> ,	1.5	343
118	Desulfurization of transportation fuels by $\pi$ -complexation sorbents: Cu(I)-, Ni(II)-, and Zn(II)-zeolites. <i>Applied Catalysis B: Environmental</i> , <b>2005</b> , 56, 111-126	21.8	313
117	New sorbents for hydrogen storage by hydrogen spillover: A review. <i>Energy and Environmental Science</i> , <b>2008</b> , 1, 268	35.4	297
116	Theoretical basis for the Dubinin-Radushkevitch (D-R) adsorption isotherm equation. <i>Adsorption</i> , <b>1997</b> , 3, 189-195	2.6	296
115	Desulfurization of Liquid Fuels by Adsorption via $\pi$ -Complexation with Cu(I) and Ag Zeolites. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 123-129	3.9	286
114	Superior Fe-ZSM-5 Catalyst for Selective Catalytic Reduction of Nitric Oxide by Ammonia. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 5595-5596	16.4	258
113	Hydrogen storage in metal-organic and covalent-organic frameworks by spillover. <i>AIChE Journal</i> , <b>2008</b> , 54, 269-279	3.6	230
112	New Sorbents for Desulfurization by $\pi$ -Complexation: Thiophene/Benzene Adsorption. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2002</b> , 41, 2487-2496	3.9	203
111	Desulfurization of Transportation Fuels by Adsorption. <i>Catalysis Reviews - Science and Engineering</i> , <b>2004</b> , 46, 111-150	12.6	195
110	Desulfurization of Commercial Liquid Fuels by Selective Adsorption via $\pi$ -Complexation with Cu(I) Zeolite. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 3103-3110	3.9	195
109	Olefin/paraffin separations by adsorption: $\pi$ -Complexation vs. kinetic separation. <i>AIChE Journal</i> , <b>1998</b> , 44, 799-809	3.6	185

108	New sorbents for desulfurization of diesel fuels via $\pi$ -complexation. <i>AICHE Journal</i> , <b>2004</b> , 50, 791-801	3.6	177
107	Significantly Increased CO <sub>2</sub> Adsorption Performance of Nanostructured Templated Carbon by Tuning Surface Area and Nitrogen Doping. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 1099-1106	3.8	175
106	CO <sub>2</sub> capture from the atmosphere and simultaneous concentration using zeolites and amine-grafted SBA-15. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 10257-64	10.3	172
105	Increasing Selective CO <sub>2</sub> Adsorption on Amine-Grafted SBA-15 by Increasing Silanol Density. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 21264-21272	3.8	172
104	Hydrogen Storage Properties of Carbons Doped with Ruthenium, Platinum, and Nickel Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 12486-12494	3.8	161
103	New Sorbents for Desulfurization of Liquid Fuels by $\pi$ -Complexation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2001</b> , 40, 6236-6239	3.9	153
102	Hydrogen Storage on Platinum Nanoparticles Doped on Superactivated Carbon. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 11086-11094	3.8	148
101	New sorbents for olefin/paraffin separations by adsorption via $\pi$ -complexation: synthesis and effects of substrates. <i>Chemical Engineering Science</i> , <b>2000</b> , 55, 2607-2616	4.4	129
100	Carbon Nanotubes as a Superior Sorbent for Nitrogen Oxides. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2001</b> , 40, 4288-4291	3.9	126
99	Desulfurization of Diesel Fuels via $\pi$ -Complexation with Nickel(II)-Exchanged X- and Y-Zeolites. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 1081-1089	3.9	120
98	Hydrogen Storage on Carbon-Based Adsorbents and Storage at Ambient Temperature by Hydrogen Spillover. <i>Catalysis Reviews - Science and Engineering</i> , <b>2010</b> , 52, 411-461	12.6	119
97	Ultrasound Enhanced Adsorption and Desorption of Phenol on Activated Carbon and Polymeric Resin. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2001</b> , 40, 4912-4918	3.9	119
96	New Sorbents for Desulfurization of Diesel Fuels via $\pi$ -Complexation: Layered Beds and Regeneration. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 769-776	3.9	118
95	Limits for Air Separation by Adsorption with LiX Zeolite. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1997</b> , 36, 5358-5365	3.9	114
94	Ultra-active Fe/ZSM-5 catalyst for selective catalytic reduction of nitric oxide with ammonia. <i>Applied Catalysis B: Environmental</i> , <b>2005</b> , 60, 13-22	21.8	110
93	Desorption by ultrasound: Phenol on activated carbon and polymeric resin. <i>AICHE Journal</i> , <b>1998</b> , 44, 1519-1528	3.6	108
92	Corrected Horvath-Kawazoe equations for pore-size distribution. <i>AICHE Journal</i> , <b>2000</b> , 46, 734-750	3.6	108
91	Ab Initio Molecular Orbital Study of the Unified Mechanism and Pathways for Gas/Carbon Reactions. <i>Journal of Physical Chemistry A</i> , <b>1998</b> , 102, 6348-6356	2.8	108

90	Investigation on Hydrogenation of Metal-Organic Frameworks HKUST-1, MIL-53, and ZIF-8 by Hydrogen Spillover. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 7565-7576	3.8	106
89	Superior ion-exchanged ZSM-5 catalysts for selective catalytic oxidation of ammonia to nitrogen. <i>Chemical Communications</i> , <b>2000</b> , 1651-1652	5.8	101
88	Effects of aromatics on desulfurization of liquid fuel by $\pi$ -complexation and carbon adsorbents. <i>Chemical Engineering Science</i> , <b>2012</b> , 73, 208-217	4.4	96
87	Kinetics and Mechanistic Model for Hydrogen Spillover on Bridged Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 3405-3411	3.8	94
86	Removal of NO by Reversible Adsorption on Fe/Mn Based Transition Metal Oxides. <i>Langmuir</i> , <b>2001</b> , 17, 4997-5003	4	90
85	Desulfurization of High-Sulfur Jet Fuel by $\pi$ -Complexation with Copper and Palladium Halide Sorbents. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 7649-7655	3.9	87
84	New Sorbents for Olefin/Paraffin Separations and Olefin Purification for C4 Hydrocarbons. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1999</b> , 38, 3614-3621	3.9	87
83	Desulfurization of Jet Fuel JP-5 Light Fraction by MCM-41 and SBA-15 Supported Cuprous Oxide for Fuel Cell Applications. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 142-147	3.9	84
82	Low-Temperature SCR of NO with NH <sub>3</sub> over USY-Supported Manganese Oxide-Based Catalysts. <i>Catalysis Letters</i> , <b>2003</b> , 87, 67-71	2.8	83
81	Activity, stability and hydrocarbon deactivation of Fe/Beta catalyst for SCR of NO with ammonia. <i>Applied Catalysis A: General</i> , <b>2009</b> , 368, 121-126	5.1	82
80	Effects of Pt Particle Size on Hydrogen Storage on Pt-Doped Metal-Organic Framework IRMOF-8. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 4793-4799	3.8	80
79	Effect of Surface Oxygen Groups in Carbons on Hydrogen Storage by Spillover. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 2920-2926	3.9	78
78	Silver Ion-Exchanged Zeolites Y, X, and Low-Silica X: Observations of Thermally Induced Cation/Cluster Migration and the Resulting Effects on the Equilibrium Adsorption of Nitrogen. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 3020-3031	9.6	74
77	Selective catalytic reduction of nitric oxide with hydrogen over Pd-based catalysts. <i>Journal of Catalysis</i> , <b>2006</b> , 237, 381-392	7.3	73
76	Hydrogen storage in carbon nanotubes: Residual metal content and pretreatment temperature. <i>AIChE Journal</i> , <b>2003</b> , 49, 1556-1568	3.6	72
75	Catalyzed hydrogen spillover for hydrogen storage. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 4224-6	16.4	70
74	Pt/MCM-41 catalyst for selective catalytic reduction of nitric oxide with hydrocarbons in the presence of excess oxygen. <i>Catalysis Letters</i> , <b>1998</b> , 52, 91-96	2.8	70
73	Effects of Nitrogen Compounds and Polyaromatic Hydrocarbons on Desulfurization of Liquid Fuels by Adsorption via $\pi$ -Complexation with Cu(I)Y Zeolite. <i>Energy &amp; Fuels</i> , <b>2006</b> , 20, 909-914	4.1	67

72	Adsorbents for Dioxins: A New Technique for Sorbent Screening for Low-Volatile Organics. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1999</b> , 38, 2726-2731	3.9	67
71	Enhanced Hydrogen Spillover on Carbon Surfaces Modified by Oxygen Plasma. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 1601-1609	3.8	64
70	Graphene and other carbon sorbents for selective adsorption of thiophene from liquid fuel. <i>AIChE Journal</i> , <b>2013</b> , 59, 29-32	3.6	63
69	Comparison of $\pi$ -Complexations of Ethylene and Carbon Monoxide with $Cu^+$ and $Ag^+$ . <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1999</b> , 38, 2720-2725	3.9	63
68	Aromatics/Aliphatics Separation by Adsorption: New Sorbents for Selective Aromatics Adsorption by $\pi$ -Complexation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2000</b> , 39, 3856-3867	3.9	60
67	Mixed cation zeolites: $Li_xAg_y-X$ as a superior adsorbent for air separation. <i>AIChE Journal</i> , <b>1999</b> , 45, 724-734	3.4	60
66	Anion and Cation Effects on Olefin Adsorption on Silver and Copper Halides: $\pi$ -Complexation Study of $\pi$ -Complexation. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 3206-3212	3.4	57
65	Hydrogen storage properties of B- and N-doped microporous carbon. <i>AIChE Journal</i> , <b>2009</b> , 55, 1823-1833	3.6	53
64	Superior Sorbent for Natural Gas Desulfurization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 1238-1244	3.9	53
63	Desulfurization of Commercial Jet Fuels by Adsorption via $\pi$ -Complexation with Vapor Phase Ion Exchanged $Cu(I)$ Zeolites. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 6142-6149	3.9	52
62	Influence of Residual Water on the Adsorption of Atmospheric Gases in $Li^+$ Zeolite: Experiment and Simulation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2000</b> , 39, 1775-1780	3.9	52
61	Unique hydrogen adsorption properties of graphene. <i>AIChE Journal</i> , <b>2011</b> , 57, 2902-2908	3.6	51
60	Hydrogen Storage Properties of N-Doped Microporous Carbon. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 21883-21888	3.8	51
59	Adsorption of Organic Vapors on Single-Walled Carbon Nanotubes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 5524-5530	3.9	48
58	Structural effects on adsorption of atmospheric gases in mixed $Li,Ag^+$ -zeolite. <i>AIChE Journal</i> , <b>2000</b> , 46, 2305-2317	3.6	47
57	Enhanced Hydrogen Storage on Pt-Doped Carbon by Plasma Reduction. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 5956-5963	3.8	46
56	$N_2O$ Formation Pathways over Zeolite-Supported Cu and Fe Catalysts in $NH_3$ -SCR. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 2170-2182	4.1	44
55	Selective Adsorption of Organosulfur Compounds from Transportation Fuels by $\pi$ -Complexation. <i>Separation Science and Technology</i> , <b>2005</b> , 39, 1717-1732	2.5	44

54	Adsorption of Nitrogen, Oxygen and Argon on Na-CeX Zeolites. <i>Adsorption</i> , <b>2002</b> , 8, 271-278	2.6	43
53	Selective catalytic reduction of nitric oxide with hydrogen on supported Pd: Enhancement by hydrogen spillover. <i>Applied Catalysis A: General</i> , <b>2016</b> , 514, 35-42	5.1	42
52	Kinetic separation of methane/carbon dioxide by molecular sieve carbons. <i>Separation Science and Technology</i> , <b>2002</b> , 37, 2505-2528	2.5	41
51	NH <sub>3</sub> -SCR of NO over one-pot Cu-SAPO-34 catalyst: Performance enhancement by doping Fe and MnCe and insight into N <sub>2</sub> O formation. <i>Applied Catalysis A: General</i> , <b>2017</b> , 543, 247-256	5.1	39
50	Catalytic reduction of nitric oxide with hydrogen and carbon monoxide in the presence of excess oxygen by Pd supported on pillared clays. <i>Applied Catalysis A: General</i> , <b>2004</b> , 259, 261-267	5.1	39
49	Concentration profile for linear driving force model for diffusion in a particle. <i>AIChE Journal</i> , <b>1999</b> , 45, 196-200	3.6	36
48	Performance of mesoporous silicas (MCM-41 and SBA-15) and carbon (CMK-3) in the removal of gas-phase naphthalene: adsorption capacity, rate and regenerability. <i>RSC Advances</i> , <b>2016</b> , 6, 21193-21203	3.7	36
47	Selective Catalytic Reduction of Nitric Oxide with Ammonia over ZSM-5 Based Catalysts for Diesel Engine Applications. <i>Catalysis Letters</i> , <b>2008</b> , 121, 111-117	2.8	35
46	Chemical Liquid Deposition Modified 4A Zeolite as a Size-Selective Adsorbent for Methane Upgrading, CO <sub>2</sub> Capture and Air Separation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 3301-3308	8.3	35
45	Nanostructured adsorbents for hydrogen storage at ambient temperature: high-pressure measurements and factors influencing hydrogen spillover. <i>RSC Advances</i> , <b>2013</b> , 3, 23935	3.7	33
44	Hydrogen Storage Properties of Low-Silica Type X Zeolites. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 3634-3641	3.9	33
43	Kinetic Separation of Oxygen and Argon Using Molecular Sieve Carbon. <i>Adsorption</i> , <b>2000</b> , 6, 15-22	2.6	29
42	Low-pressure performance evaluation of CO <sub>2</sub> , H <sub>2</sub> O and CH <sub>4</sub> on Li-LSX as a superior adsorbent for air prepurification. <i>Chemical Engineering Science</i> , <b>2016</b> , 147, 100-108	4.4	29
41	Selective catalytic reduction of nitric oxide with ammonia over high-activity Fe/SSZ-13 and Fe/one-pot-synthesized Cu-SSZ-13 catalysts. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 7561-7568	5.5	26
40	Glow discharge plasma-assisted template removal of SBA-15 at ambient temperature for high surface area, high silanol density, and enhanced CO <sub>2</sub> adsorption capacity. <i>Langmuir</i> , <b>2014</b> , 30, 8124-30	4	26
39	Amine-Grafted Silica Gels for CO <sub>2</sub> Capture Including Direct Air Capture. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 7072-7079	3.9	25
38	Selective catalytic reduction of nitric oxide by hydrogen over Zn-ZSM-5 and Pd and Pd/Ru based catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 152-153, 162-171	21.8	24
37	Reverse Spillover of Hydrogen on Carbon-Based Nanomaterials: Evidence of Recombination Using Isotopic Exchange. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 13933-13939	3.8	24

36	110th Anniversary: Recent Progress and Future Challenges in Selective Catalytic Reduction of NO by H <sub>2</sub> in the Presence of O <sub>2</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 10140-10153	3.9	23
35	New adsorbents for purification: Selective removal of aromatics. <i>AIChE Journal</i> , <b>2002</b> , 48, 1457-1468	3.6	23
34	Improved Multisite Langmuir Model for Mixture Adsorption Using Multiregion Adsorption Theory. <i>Langmuir</i> , <b>2003</b> , 19, 2776-2781	4	23
33	Low-temperature SCR of NO with NH <sub>3</sub> over noble metal promoted Fe-ZSM-5 catalysts. <i>Catalysis Letters</i> , <b>2005</b> , 100, 243-246	2.8	23
32	Synthesis and Characterization of the Sorption Properties of Oxygen-Binding Cobalt Complexes Immobilized in Nanoporous Materials. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2000</b> , 39, 2252-2259	3.9	21
31	New nanostructured sorbents for desulfurization of natural gas. <i>Frontiers of Chemical Science and Engineering</i> , <b>2014</b> , 8, 8-19	4.5	20
30	Unified network model for adsorption-desorption in systems with hysteresis. <i>AIChE Journal</i> , <b>1999</b> , 45, 735-750	3.6	20
29	Synergism between palladium and nickel on Pd-Ni/TiO <sub>2</sub> for H <sub>2</sub> -SCR: A transient DRIFTS study. <i>Journal of Catalysis</i> , <b>2020</b> , 381, 204-214	7.3	20
28	Morphology Effects of CeO <sub>2</sub> Nanomaterials on the Catalytic Combustion of Toluene: A Combined Kinetics and Diffuse Reflectance Infrared Fourier Transform Spectroscopy Study. <i>ACS Catalysis</i> , <b>2021</b> , 11, 7876-7889	13.1	19
27	Adsorption thermodynamics and desorption properties of gaseous polycyclic aromatic hydrocarbons on mesoporous adsorbents. <i>Adsorption</i> , <b>2017</b> , 23, 361-371	2.6	18
26	Mixed-cation LiCa-LSX zeolite with minimum lithium for air separation. <i>AIChE Journal</i> , <b>2018</b> , 64, 406-415	3.6	18
25	Thermodynamic analysis of molecular simulations of N <sub>2</sub> and O <sub>2</sub> adsorption on zeolites under plateau special conditions. <i>Applied Surface Science</i> , <b>2019</b> , 480, 868-875	6.7	17
24	Template Removal from SBA-15 by Ionic Liquid for Amine Grafting: Applications to CO <sub>2</sub> Capture and Natural Gas Desulfurization. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 8295-8304	8.3	17
23	Desorption Kinetics of Naphthalene and Acenaphthene over Two Activated Carbons via Thermogravimetric Analysis. <i>Energy &amp; Fuels</i> , <b>2015</b> , 29, 5303-5310	4.1	16
22	Anion Effects on the Adsorption of Acetylene by Nickel Halides. <i>Langmuir</i> , <b>1999</b> , 15, 7647-7652	4	15
21	NO removal with efficient recycling of NO from iron-ore sintering flue gas: A novel cyclic adsorption process. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 407, 124380	12.8	14
20	Reply to Comment on Kinetics and Mechanistic Model for Hydrogen Spillover on Bridged Metal-Organic Frameworks' <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 3155-3156	3.8	8
19	Insights into adsorption separation of N <sub>2</sub> /O <sub>2</sub> mixture on FAU zeolites under plateau special conditions: A molecular simulation study. <i>Separation and Purification Technology</i> , <b>2020</b> , 251, 117405	8.3	8

18	SCR of Nitric Oxide by Hydrogen over Pd and Ir Based Catalysts with Different Supports. <i>Catalysis Letters</i> , <b>2015</b> , 145, 1491-1499	2.8	6
17	Role of Oxygen in the Nitrous Oxide/Carbon Reaction. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 2592-2596	3.4	6
16	CO <sub>2</sub> capture (including direct air capture) and natural gas desulfurization of amine-grafted hierarchical bimodal silica. <i>Chemical Engineering Journal</i> , <b>2022</b> , 427, 131561	14.7	6
15	Getting insight into the influence of coexisting airborne nanoparticles on gas adsorption performance over porous materials. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 386, 121928	12.8	5
14	Chemical Liquid Deposition (CLD)-Modified Fe-ZSM-5 for Enhanced Activity and Resistance to C <sub>3</sub> H <sub>6</sub> Poisoning in Selective Catalytic Reduction with NH <sub>3</sub> (NH <sub>3</sub> -SCR). <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 13586-13590	3.9	5
13	Novel Y <sub>2</sub> O <sub>3</sub> Doped MnO <sub>x</sub> Binary Metal Oxides for NO <sub>x</sub> Storage at Low Temperature in Lean Burn Condition. <i>Catalysis Letters</i> , <b>2009</b> , 129, 104-110	2.8	4
12	π-Complexation Sorbents and Applications	191-230	4
11	Recovery of high-purity NO <sub>2</sub> and SO <sub>2</sub> products from iron-ore sintering flue gas by distillation: process design, optimization and analysis. <i>Separation and Purification Technology</i> , <b>2021</b> , 264, 118308	8.3	4
10	Superior Silver Sorbents for Removing 2-Vinyl Thiophene from Styrene by π-Complexation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 1769-1772	3.9	3
9	Effect of intermittent purge on O <sub>2</sub> production with rapid pressure swing adsorption technology. <i>Adsorption</i> , <b>2021</b> , 27, 181-189	2.6	3
8	Influence of water on amine loading for ordered mesoporous silica. <i>Chemical Engineering Science</i> , <b>2021</b> , 241, 116717	4.4	3
7	NEW SORBENTS FOR DESULFURIZATION OF TRANSPORTATION FUELS	2003,	2
6	SBA-15 Functionalized with Amines in the Presence of Water: Applications to CO <sub>2</sub> Capture and Natural Gas Desulfurization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 6277-6286	3.9	2
5	Effects of operating temperature on the performance of small scale rapid cycle pressure swing adsorption air separation process. <i>Adsorption</i> , <b>2021</b> , 27, 205-212	2.6	1
4	Understanding the promotional effect of 3d transition metals (Fe, Co, Cu) on Pd/TiO <sub>2</sub> for H <sub>2</sub> -SCR. <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 886-894	5.5	1
3	Separation of SO and NO with the Zeolite Membrane: Molecular Simulation Insights into the Advantageous NO Dimerization Effect.. <i>Langmuir</i> , <b>2022</b> , 38, 2751-2762	4	0
2	Tunable amine loading of amine grafted mesoporous silica grafted at room temperature: Applications for CO <sub>2</sub> capture. <i>Chemical Engineering Science</i> , <b>2022</b> , 254, 117626	4.4	0
1	Condensation Separation of NO with Dimerization Reaction in the Presence of Noncondensable Gas: Critical Assessment and Model Development.. <i>ACS Omega</i> , <b>2022</b> , 7, 14735-14745	3.9	



