

# Ralph T Yang

## List of Publications by Year in descending order

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126  
papers

14,428  
citations

18465

62  
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20943

115  
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127  
all docs

127  
docs citations

127  
times ranked

10755  
citing authors

#	ARTICLE	IF	CITATIONS
1	Desulfurization of Transportation Fuels with Zeolites Under Ambient Conditions. <i>Science</i> , 2003, 301, 79-81.	6.0	833
2	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> , 2011, 175, 147-156.	2.2	811
3	Amine-Grafted MCM-48 and Silica Xerogel as Superior Sorbents for Acidic Gas Removal from Natural Gas. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 2427-2433.	1.8	643
4	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> , 2003, 217, 434-441.	3.1	540
5	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> , 2004, 108, 15738-15747.	1.2	425
6	Gas Separation by Adsorption Processes. <i>Series on Chemical Engineering</i> , 1997, , .	0.2	394
7	Theoretical basis for the Dubinin-Radushkevitch (D-R) adsorption isotherm equation. <i>Adsorption</i> , 1997, 3, 189-195.	1.4	377
8	Desulfurization of transportation fuels by $\pi$ -complexation sorbents: Cu(I)-, Ni(II)-, and Zn(II)-zeolites. <i>Applied Catalysis B: Environmental</i> , 2005, 56, 111-126.	10.8	339
9	New sorbents for hydrogen storage by hydrogen spillover — a review. <i>Energy and Environmental Science</i> , 2008, 1, 268.	15.6	331
10	Desulfurization of Liquid Fuels by Adsorption via $\pi$ Complexation with Cu(I)- $\gamma$ and Ag- $\gamma$ Zeolites. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 123-129.	1.8	306
11	Superior Fe-ZSM-5 Catalyst for Selective Catalytic Reduction of Nitric Oxide by Ammonia. <i>Journal of the American Chemical Society</i> , 1999, 121, 5595-5596.	6.6	303
12	Hydrogen storage in metal-organic and covalent-organic frameworks by spillover. <i>AIChE Journal</i> , 2008, 54, 269-279.	1.8	248
13	New Sorbents for Desulfurization by $\pi$ -Complexation: Thiophene/Benzene Adsorption. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 2487-2496.	1.8	226
14	CO <sub>2</sub> Capture from the Atmosphere and Simultaneous Concentration Using Zeolites and Amine-Grafted SBA-15. <i>Environmental Science &amp; Technology</i> , 2011, 45, 10257-10264.	4.6	215
15	Olefin/paraffin separations by adsorption: $\pi$ -Complexation vs. kinetic separation. <i>AIChE Journal</i> , 1998, 44, 799-809.	1.8	211
16	Desulfurization of Commercial Liquid Fuels by Selective Adsorption via $\pi$ -Complexation with Cu(I)- $\gamma$ Zeolite. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 3103-3110.	1.8	211
17	Desulfurization of Transportation Fuels by Adsorption. <i>Catalysis Reviews - Science and Engineering</i> , 2004, 46, 111-150.	5.7	206
18	Increasing Selective CO <sub>2</sub> Adsorption on Amine-Grafted SBA-15 by Increasing Silanol Density. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21264-21272.	1.5	199

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19	New sorbents for desulfurization of diesel fuels via $\pi$ -complexation. <i>AIChE Journal</i> , 2004, 50, 791-801.	1.8	192
20	Significantly Increased $\text{CO}_2$ Adsorption Performance of Nanostructured Templated Carbon by Tuning Surface Area and Nitrogen Doping. <i>Journal of Physical Chemistry C</i> , 2012, 116, 1099-1106.	1.5	192
21	Hydrogen Storage Properties of Carbons Doped with Ruthenium, Platinum, and Nickel Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12486-12494.	1.5	176
22	New Sorbents for Desulfurization of Liquid Fuels by $\pi$ -Complexation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 6236-6239.	1.8	165
23	Hydrogen Storage on Platinum Nanoparticles Doped on Superactivated Carbon. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11086-11094.	1.5	164
24	Hydrogen Storage on Carbon-Based Adsorbents and Storage at Ambient Temperature by Hydrogen Spillover. <i>Catalysis Reviews - Science and Engineering</i> , 2010, 52, 411-461.	5.7	139
25	New sorbents for olefin/paraffin separations by adsorption via $\pi$ -complexation: synthesis and effects of substrates. <i>Chemical Engineering Science</i> , 2000, 55, 2607-2616.	1.9	136
26	Limits for Air Separation by Adsorption with LiX Zeolite. <i>Industrial &amp; Engineering Chemistry Research</i> , 1997, 36, 5358-5365.	1.8	135
27	Carbon Nanotubes as a Superior Sorbent for Nitrogen Oxides. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 4288-4291.	1.8	135
28	Investigation on Hydrogenation of Metal-Organic Frameworks HKUST-1, MIL-53, and ZIF-8 by Hydrogen Spillover. <i>Journal of Physical Chemistry C</i> , 2013, 117, 7565-7576.	1.5	131
29	Desulfurization of Diesel Fuels via $\pi$ -Complexation with Nickel(II)-Exchanged X- and Y-Zeolites. <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 1081-1089.	1.8	129
30	Morphology Effects of $\text{CeO}_2$ Nanomaterials on the Catalytic Combustion of Toluene: A Combined Kinetics and Diffuse Reflectance Infrared Fourier Transform Spectroscopy Study. <i>ACS Catalysis</i> , 2021, 11, 7876-7889.	5.5	129
31	Ultrasound Enhanced Adsorption and Desorption of Phenol on Activated Carbon and Polymeric Resin. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 4912-4918.	1.8	128
32	Ultra-active Fe/ZSM-5 catalyst for selective catalytic reduction of nitric oxide with ammonia. <i>Applied Catalysis B: Environmental</i> , 2005, 60, 13-22.	10.8	128
33	New Sorbents for Desulfurization of Diesel Fuels via $\pi$ Complexation: Layered Beds and Regeneration. <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 769-776.	1.8	126
34	Ab Initio Molecular Orbital Study of the Unified Mechanism and Pathways for Gas-Carbon Reactions. <i>Journal of Physical Chemistry A</i> , 1998, 102, 6348-6356.	1.1	123
35	Corrected Horv�th-Kawazoe equations for pore-size distribution. <i>AIChE Journal</i> , 2000, 46, 734-750.	1.8	121
36	Desorption by ultrasound: Phenol on activated carbon and polymeric resin. <i>AIChE Journal</i> , 1998, 44, 1519-1528.	1.8	115

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37	Superior ion-exchanged ZSM-5 catalysts for selective catalytic oxidation of ammonia to nitrogen. <i>Chemical Communications</i> , 2000, , 1651-1652.	2.2	110
38	Effects of aromatics on desulfurization of liquid fuel by $\pi$ -complexation and carbon adsorbents. <i>Chemical Engineering Science</i> , 2012, 73, 208-217.	1.9	106
39	Kinetics and Mechanistic Model for Hydrogen Spillover on Bridged Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2007, 111, 3405-3411.	1.5	101
40	Removal of NO by Reversible Adsorption on Fe-Mn Based Transition Metal Oxides. <i>Langmuir</i> , 2001, 17, 4997-5003.	1.6	99
41	New Sorbents for Olefin/Paraffin Separations and Olefin Purification for C <sub>4</sub> Hydrocarbons. <i>Industrial &amp; Engineering Chemistry Research</i> , 1999, 38, 3614-3621.	1.8	97
42	Desulfurization of High-Sulfur Jet Fuel by $\pi$ -Complexation with Copper and Palladium Halide Sorbents. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 7649-7655.	1.8	96
43	Low-Temperature SCR of NO with NH <sub>3</sub> over USY-Supported Manganese Oxide-Based Catalysts. <i>Catalysis Letters</i> , 2003, 87, 67-71.	1.4	93
44	Effect of Surface Oxygen Groups in Carbons on Hydrogen Storage by Spillover. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 2920-2926.	1.8	93
45	Effects of Pt Particle Size on Hydrogen Storage on Pt-Doped Metal-Organic Framework IRMOF-8. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4793-4799.	1.5	93
46	N <sub>2</sub> O Formation Pathways over Zeolite-Supported Cu and Fe Catalysts in NH <sub>3</sub> -SCR. <i>Energy &amp; Fuels</i> , 2018, 32, 2170-2182.	2.5	93
47	Activity, stability and hydrocarbon deactivation of Fe/Beta catalyst for SCR of NO with ammonia. <i>Applied Catalysis A: General</i> , 2009, 368, 121-126.	2.2	91
48	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> , 2009, 48, 142-147.	1.8	91
49	Selective catalytic reduction of nitric oxide with hydrogen over Pd-based catalysts. <i>Journal of Catalysis</i> , 2006, 237, 381-392.	3.1	89
50	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> , 2000, 12, 3020-3031.	3.2	84
51	Catalyzed Hydrogen Spillover for Hydrogen Storage. <i>Journal of the American Chemical Society</i> , 2009, 131, 4224-4226.	6.6	84
52	Title is missing!. <i>Catalysis Letters</i> , 1998, 52, 91-96.	1.4	81
53	Adsorbents for Dioxins: A New Technique for Sorbent Screening for Low-Volatile Organics. <i>Industrial &amp; Engineering Chemistry Research</i> , 1999, 38, 2726-2731.	1.8	78
54	Hydrogen storage in carbon nanotubes: Residual metal content and pretreatment temperature. <i>AICHE Journal</i> , 2003, 49, 1556-1568.	1.8	76

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55	Mixed cation zeolites: LixAgy-X as a superior adsorbent for air separation. <i>AIChE Journal</i> , 1999, 45, 724-734.	1.8	74
56	Comparison of $\pi$ -Complexations of Ethylene and Carbon Monoxide with Cu <sup>+</sup> and Ag <sup>+</sup> . <i>Industrial &amp; Engineering Chemistry Research</i> , 1999, 38, 2720-2725.	1.8	72
57	Aromatics/Aliphatics Separation by Adsorption: New Sorbents for Selective Aromatics Adsorption by $\pi$ -Complexation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2000, 39, 3856-3867.	1.8	72
58	Enhanced Hydrogen Spillover on Carbon Surfaces Modified by Oxygen Plasma. <i>Journal of Physical Chemistry C</i> , 2010, 114, 1601-1609.	1.5	71
59	Amine-Grafted Silica Gels for CO <sub>2</sub> Capture Including Direct Air Capture. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 7072-7079.	1.8	70
60	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> , 2006, 20, 909-914.	2.5	69
61	Graphene and other carbon sorbents for selective adsorption of thiophene from liquid fuel. <i>AIChE Journal</i> , 2013, 59, 29-32.	1.8	69
62	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> , 2017, 543, 247-256.	2.2	65
63	Superior Sorbent for Natural Gas Desulfurization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 1238-1244.	1.8	63
64	Hydrogen Storage Properties of N-Doped Microporous Carbon. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21883-21888.	1.5	63
65	Influence of Residual Water on the Adsorption of Atmospheric Gases in Li <sup>+</sup> X Zeolite: A Experiment and Simulation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2000, 39, 1775-1780.	1.8	62
66	Anion and Cation Effects on Olefin Adsorption on Silver and Copper Halides: An Ab Initio Effective Core Potential Study of $\pi$ -Complexation. <i>Journal of Physical Chemistry B</i> , 1999, 103, 3206-3212.	1.2	61
67	Hydrogen storage properties of Fe- and N-doped microporous carbon. <i>AIChE Journal</i> , 2009, 55, 1823-1833.	1.8	60
68	Desulfurization of Commercial Jet Fuels by Adsorption via $\pi$ -Complexation with Vapor Phase Ion Exchanged Cu(I)Y Zeolites. <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 6142-6149.	1.8	56
69	Selective catalytic reduction of nitric oxide with hydrogen on supported Pd: Enhancement by hydrogen spillover. <i>Applied Catalysis A: General</i> , 2016, 514, 35-42.	2.2	56
70	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> , 2019, 58, 10140-10153.	1.8	55
71	Adsorption of Organic Vapors on Single-Walled Carbon Nanotubes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 5524-5530.	1.8	54
72	Unique hydrogen adsorption properties of graphene. <i>AIChE Journal</i> , 2011, 57, 2902-2908.	1.8	54

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73	Structural effects on adsorption of atmospheric gases in mixed Li,Ag <sup>+</sup> X-zeolite. <i>AIChE Journal</i> , 2000, 46, 2305-2317.	1.8	52
74	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> , 2020, 381, 204-214.	3.1	52
75	Adsorption of Nitrogen, Oxygen and Argon on Na-CeX Zeolites. <i>Adsorption</i> , 2002, 8, 271-278.	1.4	51
76	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> , 2019, 7, 3301-3308.	3.2	51
77	Kinetic separation of methane/carbon dioxide by molecular sieve carbons. <i>Separation Science and Technology</i> , 2002, 37, 2505-2528.	1.3	49
78	Selective Adsorption of Organosulfur Compounds from Transportation Fuels by $\pi$ -Complexation. <i>Separation Science and Technology</i> , 2005, 39, 1717-1732.	1.3	49
79	Enhanced Hydrogen Storage on Pt-Doped Carbon by Plasma Reduction. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5956-5963.	1.5	48
80	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> , 2016, 6, 21193-21203.	1.7	47
81	Selective Catalytic Reduction of Nitric Oxide with Ammonia over ZSM-5 Based Catalysts for Diesel Engine Applications. <i>Catalysis Letters</i> , 2008, 121, 111-117.	1.4	46
82	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> , 2004, 259, 261-267.	2.2	45
83	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> , 2016, 147, 100-108.	1.9	42
84	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> , 2016, 6, 7561-7568.	2.1	41
85	Concentration profile for linear driving force model for diffusion in a particle. <i>AIChE Journal</i> , 1999, 45, 196-200.	1.8	40
86	Hydrogen Storage Properties of Low-Silica Type X Zeolites. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 3634-3641.	1.8	39
87	Kinetic Separation of Oxygen and Argon Using Molecular Sieve Carbon. <i>Adsorption</i> , 2000, 6, 15-22.	1.4	37
88	Nanostructured adsorbents for hydrogen storage at ambient temperature: high-pressure measurements and factors influencing hydrogen spillover. <i>RSC Advances</i> , 2013, 3, 23935.	1.7	35
89	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> , 2014, 30, 8124-8130.	1.6	34
90	Mixed <sup>+</sup> ation LiCa <sup>+</sup> LSX zeolite with minimum lithium for air separation. <i>AIChE Journal</i> , 2018, 64, 406-415.	1.8	34

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91	NOx removal with efficient recycling of NO <sub>2</sub> from iron-ore sintering flue gas: A novel cyclic adsorption process. <i>Journal of Hazardous Materials</i> , 2021, 407, 124380.	6.5	33
92	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> , 2014, 152-153, 162-171.	10.8	30
93	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> , 2019, 480, 868-875.	3.1	30
94	New adsorbents for purification: Selective removal of aromatics. <i>AIChE Journal</i> , 2002, 48, 1457-1468.	1.8	29
95	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> , 2020, 8, 8295-8304.	3.2	29
96	Reverse Spillover of Hydrogen on Carbon-Based Nanomaterials: Evidence of Recombination Using Isotopic Exchange. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13933-13939.	1.5	28
97	Improved Multisite Langmuir Model for Mixture Adsorption Using Multiregion Adsorption Theory. <i>Langmuir</i> , 2003, 19, 2776-2781.	1.6	27
98	Synthesis and Characterization of the Sorption Properties of Oxygen-Binding Cobalt Complexes Immobilized in Nanoporous Materials. <i>Industrial &amp; Engineering Chemistry Research</i> , 2000, 39, 2252-2259.	1.8	26
99	New nanostructured sorbents for desulfurization of natural gas. <i>Frontiers of Chemical Science and Engineering</i> , 2014, 8, 8-19.	2.3	26
100	Low-temperature SCR of NO with NH <sub>3</sub> over noble metal promoted Fe-ZSM-5 catalysts. <i>Catalysis Letters</i> , 2005, 100, 243-246.	1.4	23
101	Desorption Kinetics of Naphthalene and Acenaphthene over Two Activated Carbons via Thermogravimetric Analysis. <i>Energy &amp; Fuels</i> , 2015, 29, 5303-5310.	2.5	22
102	Adsorption thermodynamics and desorption properties of gaseous polycyclic aromatic hydrocarbons on mesoporous adsorbents. <i>Adsorption</i> , 2017, 23, 361-371.	1.4	22
103	Unified network model for adsorption-desorption in systems with hysteresis. <i>AIChE Journal</i> , 1999, 45, 735-750.	1.8	21
104	CO <sub>2</sub> capture (including direct air capture) and natural gas desulfurization of amine-grafted hierarchical bimodal silica. <i>Chemical Engineering Journal</i> , 2022, 427, 131561.	6.6	21
105	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> , 2020, 251, 117405.	3.9	20
106	Anion Effects on the Adsorption of Acetylene by Nickel Halides. <i>Langmuir</i> , 1999, 15, 7647-7652.	1.6	17
107	Getting insight into the influence of coexisting airborne nanoparticles on gas adsorption performance over porous materials. <i>Journal of Hazardous Materials</i> , 2020, 386, 121928.	6.5	14
108	Synergism between Manganese and Cobalt on Mn-Co Oxides for the Catalytic Combustion of VOCs: A Combined Kinetics and Diffuse Reflectance Infrared Fourier Transform Spectroscopy Study. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 4803-4815.	1.8	13

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109	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. Separation and Purification Technology, 2021, 264, 118308.	3.9	11
110	SCR of Nitric Oxide by Hydrogen over Pd and Ir Based Catalysts with Different Supports. Catalysis Letters, 2015, 145, 1491-1499.	1.4	9
111	SBA-15 Functionalized with Amines in the Presence of Water: Applications to CO <sub>2</sub> Capture and Natural Gas Desulfurization. Industrial & Engineering Chemistry Research, 2021, 60, 6277-6286.	1.8	9
112	Role of Oxygen in the Nitrous Oxide/Carbon Reaction. Journal of Physical Chemistry B, 2002, 106, 2592-2596.	1.2	8
113	Reply to "Comment on "Kinetics and Mechanistic Model for Hydrogen Spillover on Bridged Metal-Organic Frameworks". Journal of Physical Chemistry C, 2008, 112, 3155-3156.	1.5	8
114	Effects of operating temperature on the performance of small scale rapid cycle pressure swing adsorption air separation process. Adsorption, 2021, 27, 205-212.	1.4	8
115	Understanding the promotional effect of 3d transition metals (Fe, Co, Cu) on Pd/TiO <sub>2</sub> for H <sub>2</sub> -SCR. Catalysis Science and Technology, 2021, 11, 886-894.	2.1	8
116	Effect of intermittent purge on O <sub>2</sub> production with rapid pressure swing adsorption technology. Adsorption, 2021, 27, 181-189.	1.4	7
117	Influence of water on amine loading for ordered mesoporous silica. Chemical Engineering Science, 2021, 241, 116717.	1.9	7
118	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). Industrial & Engineering Chemistry Research, 2018, 57, 13586-13590.	1.8	6
119	Superior Silver Sorbents for Removing 2-Vinyl Thiophene from Styrene by $\pi$ -Complexation. Industrial & Engineering Chemistry Research, 2019, 58, 1769-1772.	1.8	6
120	Tunable amine loading of amine grafted mesoporous silica grafted at room temperature: Applications for CO <sub>2</sub> capture. Chemical Engineering Science, 2022, 254, 117626.	1.9	6
121	$\pi$ -Complexation Sorbents and Applications. , 0, , 191-230.		5
122	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. Catalysis Letters, 2009, 129, 104-110.	1.4	4
123	NEW SORBENTS FOR DESULFURIZATION OF TRANSPORTATION FUELS. , 2003, , .		2
124	Separation of SO <sub>2</sub> and NO <sub>2</sub> with the Zeolite Membrane: Molecular Simulation Insights into the Advantageous NO <sub>2</sub> Dimerization Effect. Langmuir, 2022, 38, 2751-2762.	1.6	2
125	NEW ADSORBENTS FOR GAS SEPARATION BY WEAK CHEMICAL BONDS. , 2000, , .		1
126	Condensation Separation of NO <sub>2</sub> with Dimerization Reaction in the Presence of Noncondensable Gas: Critical Assessment and Model Development. ACS Omega, 2022, 7, 14735-14745.	1.6	0