

# Xijun Hu

## List of Publications by Year in descending order

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papers

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87888

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citing authors

#	ARTICLE	IF	CITATIONS
1	Titanium dioxide nanotube arrays (TNTAs) as an effective electrocatalyst interlayer for sustainable high-energy density lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163268.	5.5	9
2	Encapsulating sulphur inside Magn <sup>+</sup> Li phase $\langle \text{Ti}_{4}\text{O}_{7} \rangle$ nanotube array for high performance lithium sulphur battery cathode. <i>Canadian Journal of Chemical Engineering</i> , 2022, 100, 2417-2431.	1.7	3
3	Understanding the oxygen-containing functional groups on multiwall carbon nanotubes toward <sup>+</sup> supercapacitors. <i>Materials Today Chemistry</i> , 2021, 19, 100414.	3.5	6
4	A new route for fast synthesis of copper nanowires and application on flexible transparent conductive films. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	1.9	4
5	Degradation of ronidazole by electrochemically simultaneously generated persulfate and ferrous ions. <i>Chemosphere</i> , 2020, 238, 124579.	8.2	18
6	Mild acid functionalization of metal-organic framework and its catalytic effect on esterification of acetic acid with n-butanol. <i>Molecular Catalysis</i> , 2020, 482, 110635.	2.0	12
7	Highly efficient and robust sulfur-doped nickel-cobalt oxide towards oxygen evolution reaction. <i>Molecular Catalysis</i> , 2020, 496, 111175.	2.0	2
8	Graphitic Carbon Nitride/Copper <sup>+</sup> Iron Oxide Composite for Effective Fenton Degradation of Ciprofloxacin at Near <sup>+</sup> Neutral pH. <i>ChemistrySelect</i> , 2020, 5, 8198-8206.	1.5	6
9	Nanosheet-like Ternary Metal Sulfide as a pH-Universal Catalyst for the Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2020, 3, 6172-6179.	5.1	9
10	Hybridizing amorphous nickel cobalt phosphate and nickel phosphide as an efficient bifunctional nanocatalyst towards overall water splitting. <i>Catalysis Today</i> , 2020, 358, 215-220.	4.4	16
11	Aerobic oxidation of benzyl alcohol: Influence from catalysts basicity, acidity, and preparation methods. <i>Molecular Catalysis</i> , 2020, 485, 110789.	2.0	15
12	Catalytically active interfaces in titania nanorod-supported copper catalysts for CO oxidation. <i>Nano Research</i> , 2020, 13, 533-542.	10.4	18
13	Pd doped Co functionalized SBA-15 as an active magnetic catalyst for low temperature solventless additive-base-free selective oxidation of benzyl alcohol. <i>Molecular Catalysis</i> , 2020, 488, 110869.	2.0	6
14	Complete degradation of ciprofloxacin over g-C <sub>3</sub> N <sub>4</sub> -iron oxide composite via heterogeneous dark Fenton reaction. <i>Journal of Environmental Management</i> , 2019, 244, 23-32.	7.8	32
15	Mesoporous Materials as Catalyst support for Wastewater Treatment. <i>Madridge Journal of Nanotechnology &amp; Nanoscience</i> , 2019, 4, 160-167.	0.4	5
16	A dual acidic hydrothermally stable MOF-composite for upgrading xylose to furfural. <i>Applied Catalysis A: General</i> , 2018, 566, 130-139.	4.3	32
17	Towards a recyclable MOF catalyst for efficient production of furfural. <i>Catalysis Today</i> , 2018, 314, 129-136.	4.4	38
18	Catalytic activity of an economically sustainable fly-ash-metal-organic- framework composite towards biomass valorization. <i>Catalysis Today</i> , 2018, 314, 137-146.	4.4	25

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19	Amorphous Iron and Cobalt Based Phosphate Nanosheets Supported on Nickel Foam as Superior Catalysts for Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2018, 1, 6764-6768.	5.1	18
20	Zeolites as Functional Materials for Energy Technology. <i>Nanomedicine &amp; Nanotechnology Open Access</i> , 2018, 3, .	0.1	0
21	Non-precious metal catalysts supported on high Zr loaded-SBA-15 for lean NO reduction. <i>Molecular Catalysis</i> , 2017, 440, 1-8.	2.0	6
22	The role of the coherence length for the establishment of global phase coherence in arrays of ultra-thin superconducting nanowires. <i>Superconductor Science and Technology</i> , 2017, 30, 105004.	3.5	5
23	Dramatic enhancement of superconductivity in single-crystalline nanowire arrays of Sn. <i>Scientific Reports</i> , 2016, 6, 32963.	3.3	20
24	Heterogeneous Pd catalyst for mild solvent-free oxidation of benzyl alcohol. <i>Journal of Molecular Catalysis A</i> , 2016, 425, 61-67.	4.8	44
25	Catalysis at room temperature: perspectives for future green chemical processes. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2015, 4, 316-338.	4.1	10
26	Zr-SBA-15 supported Ni catalysts for lean NO <sub>x</sub> reduction. <i>Journal of Molecular Catalysis A</i> , 2015, 409, 69-78.	4.8	25
27	High Zr-loaded SBA-15 cobalt catalyst for efficient NO <sub>x</sub> reduction in lean-burn exhaust. <i>Applied Catalysis A: General</i> , 2015, 508, 25-36.	4.3	13
28	A comprehensive study on the effect of preparation methods for Au-core@shell silica materials in room temperature oxidative amide formation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 789-796.	10.3	5
29	Adsorption removal of acid black 1 from aqueous solution using ordered mesoporous carbon. <i>Applied Surface Science</i> , 2014, 294, 71-80.	6.1	60
30	Nanostructured morphology control for efficient supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2941-2954.	10.3	267
31	Enhancement of the Upper Critical Field and Fluctuations above the Bulk $T_c$ in Superconducting Ultrathin Lead Nanowire Arrays. <i>ACS Nano</i> , 2013, 7, 4187-4193.	14.6	37
32	pH-Insensitive Bimetallic Catalyst for the Abatement of Dye Pollutants by Photo-Fenton Oxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 6639-6646.	3.7	40
33	Alkylruthenium Complexes Containing Polypyridyl Ligands: Synthesis, Characterization, and Immobilization on Silica. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2893-2899.	2.0	13
34	Functionalized ordered mesoporous carbon for the adsorption of reactive dyes. <i>Adsorption</i> , 2012, 18, 337-348.	3.0	33
35	Formulation of Reaction Kinetics for Cyclohexanone Ammoximation Catalyzed by a Clay-Based Titanium Silicalite-1 Composite in a Semibatch Process. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 13703-13710.	3.7	23
36	Anionic Dye Adsorption on Chemically Modified Ordered Mesoporous Carbons. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 14070-14083.	3.7	88

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37	Filtration and Catalytic Behaviors of Titanium Silicate-1 Supported on Carbon Nanofibers for Cyclohexanone Ammoximation. , 2011, , .		0
38	Facile solution synthesis and characterization of porous cubic-shaped superstructure of ZnAl <sub>2</sub> O <sub>4</sub> . Materials Letters, 2011, 65, 194-197.	2.6	40
39	Capability of novel ZnFe <sub>2</sub> O <sub>4</sub> nanotube arrays for visible-light induced degradation of 4-chlorophenol. Chemosphere, 2011, 82, 581-586.	8.2	94
40	The NiAl mixed oxides: The relation between basicity and SO <sub>2</sub> removal capacity. Separation and Purification Technology, 2011, 80, 345-350.	7.9	33
41	Mechanism of forming an ink-bottle-like pore structure based on SBA-15 by a novel MOCVD technique. Science Bulletin, 2010, 55, 446-451.	1.7	1
42	Synthesis, characterization and adsorptive performance of MgFe <sub>2</sub> O <sub>4</sub> nanospheres for SO <sub>2</sub> removal. Journal of Hazardous Materials, 2010, 184, 704-709.	12.4	64
43	Superior adsorption capacity of film typed carbon for the abatement of sulfur dioxide. Catalysis Today, 2010, 158, 269-272.	4.4	3
44	Reducing thermal contact resistance using a bilayer aligned CNT thermal interface material. Chemical Engineering Science, 2010, 65, 1101-1108.	3.8	55
45	The formation of hollow poly(methyl methacrylate)/multiwalled carbon nanotube nanocomposite cylinders by microwave irradiation. Nanotechnology, 2009, 20, 095601.	2.6	12
46	A combined technique of photo-doping and MOCVD for the development of heterogeneous photo-Fenton catalyst. Separation and Purification Technology, 2009, 67, 233-237.	7.9	6
47	Modeling of a pilot-scale trickle bed reactor for the catalytic oxidation of phenol. Separation and Purification Technology, 2009, 67, 158-165.	7.9	14
48	Preparation of microfibrrous entrapped activated carbon composite. Separation and Purification Technology, 2009, 67, 149-151.	7.9	6
49	Fabrication of copper (I) nitride nanorods within SBA-15 by metal organic chemical vapor deposition. Science in China Series D: Earth Sciences, 2009, 52, 352-356.	0.9	13
50	A heterostructured titanium silicalite-1 catalytic composite for cyclohexanone ammoximation. Microporous and Mesoporous Materials, 2009, 120, 368-374.	4.4	17
51	An investigation on the adsorption of acid dyes on bentonite based composite adsorbent. Separation and Purification Technology, 2009, 67, 218-225.	7.9	58
52	Photo Fenton degradation of high concentration Orange II (2mM) using catalysts containing Fe: A comparative study. Separation and Purification Technology, 2009, 67, 213-217.	7.9	41
53	Synthesis of exfoliated CNT-metal-clay nanocomposite by chemical vapor deposition. Separation and Purification Technology, 2009, 67, 238-243.	7.9	16
54	Study on the Synthesis of Clay-Based Titanium Silicalite-1 Catalytic Composite. Industrial & Engineering Chemistry Research, 2009, 48, 5266-5275.	3.7	13

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55	Catalytic Activity of Clay-Based Titanium Silicalite-1 Composite in Cyclohexanone Ammoximation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 8441-8450.	3.7	28
56	Tribological behaviors of aligned carbon nanotube/fullerene-epoxy nanocomposites. <i>Polymer Engineering and Science</i> , 2008, 48, 1467-1475.	3.1	26
57	Synthesis and characterization of titanium silicate-1 supported on carbon nanofiber. <i>Microporous and Mesoporous Materials</i> , 2008, 108, 311-317.	4.4	24
58	Formation of an ink-bottle-like pore structure in SBA-15 by MOCVD. <i>Chemical Communications</i> , 2008, , 5131.	4.1	13
59	A template-free nano-wrapping technique for the fabrication of copper hollow nanospheres smaller than 20 nm. <i>Chemical Communications</i> , 2008, , 6390.	4.1	5
60	Synthesis of Metallic Nanostructures Using Chemical Fluid Deposition. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10068-10072.	3.1	12
61	Fabrication of Copper Nanowire Encapsulated in the Pore Channels of SBA-15 by Metal Organic Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12536-12541.	3.1	42
62	Copper/MCM-41 as a Highly Stable and pH-insensitive Heterogeneous Photo-Fenton-like Catalytic Material for the Abatement of Organic Wastewater. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 3328-3333.	3.7	68
63	Synthesis of Aligned Carbon Nanotubes on Double-Sided Metallic Substrate by Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12617-12624.	3.1	60
64	In situ oxidation for stabilization of Fe/MCM-41 catalyst prepared by metal organic chemical vapor deposition. <i>Catalysis Communications</i> , 2007, 8, 1719-1723.	3.3	14
65	A high performance bimetallic catalyst for photo-Fenton oxidation of Orange II over a wide pH range. <i>Catalysis Communications</i> , 2007, 8, 2125-2129.	3.3	38
66	Novel bimetallic catalyst for the photo-assisted degradation of Acid Black 1 over a broad range of pH. <i>Chemical Engineering Science</i> , 2007, 62, 5150-5153.	3.8	39
67	Synthesis of SBA-15/carbon composite with an ink-bottle-like pore structure by a novel pulse CVD technique. <i>Adsorption</i> , 2007, 13, 281-290.	3.0	2
68	Fabrication of Copper Nanowire Encapsulated in SBA-15 Nanocomposite by Metal Organic Chemical Vapor Deposition. , 2006, , .		0
69	Ordered Mesoporous Carbon as an Efficient and Reversible Adsorbent for the Adsorption of Fullerenes. <i>Langmuir</i> , 2006, 22, 4583-4588.	3.5	25
70	Synthesis of high density 4 A single-walled carbon nanotubes in AlPO/sub 4/-5 zeolites. , 2006, , .		0
71	A nano-sized catalytic architecture composed of SiO/sub 2/-TiO/sub 2/ particle and carbon nanofibers. , 2006, , .		1
72	Thermal Decomposition of Carbon Precursors in Decorated AFI Zeolite Crystals. <i>Journal of Physical Chemistry B</i> , 2006, 110, 19285-19290.	2.6	14

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73	Carbonization Mechanism of Tetrapropylammonium-hydroxide in Channels of AlPO <sub>4</sub> -5 Single Crystals. <i>Chemistry of Materials</i> , 2006, 18, 1505-1511.	6.7	22
74	Effect of initial solution pH on the degradation of Orange II using clay-based Fe nanocomposites as heterogeneous photo-Fenton catalyst. <i>Water Research</i> , 2006, 40, 641-646.	11.3	196
75	Catalytic growth of 0.4 nm single-walled carbon nanotubes aligned inside porous zeolite crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3082-3086.	1.5	7
76	Catalytic effect of metal cations on the formation of carbon nanotubes inside the channels of AlPO <sub>4</sub> -5 crystal. <i>Carbon</i> , 2006, 44, 1151-1157.	10.3	26
77	Fabrication of copper nanorods by low-temperature metal organic chemical vapor deposition. <i>Science Bulletin</i> , 2006, 51, 2662-2668.	1.7	10
78	Mineralization of Indigo Carmine at Neutral pH Using a Nanocomposite as a Heterogeneous Photo-Fenton Catalyst. <i>Studies in Surface Science and Catalysis</i> , 2006, 159, 389-392.	1.5	6
79	Review of Kelvin's Equation and Its Modification in Characterization of Mesoporous Materials. <i>Chinese Journal of Chemical Physics</i> , 2006, 19, 102-108.	1.3	18
80	Dynamic simulation of pressure swing adsorption system with the electrical network. <i>Chemical Engineering Science</i> , 2005, 60, 4635-4645.	3.8	7
81	Kinetics Study on Heterogeneous Catalytic Wet Air Oxidation of Phenol using Copper/Activated Carbon Catalyst. <i>International Journal of Chemical Reactor Engineering</i> , 2005, 3, .	1.1	10
82	Discoloration and mineralization of Orange II by using a bentonite clay-based Fe nanocomposite film as a heterogeneous photo-Fenton catalyst. <i>Water Research</i> , 2005, 39, 89-96.	11.3	68
83	A novel heterogeneous acid-activated clay supported copper catalyst for the photobleaching and degradation of textile organic pollutant using photo-Fenton-like reaction. <i>Chemical Communications</i> , 2005, , 3218.	4.1	36
84	Chemical-Vapor-Deposited Copper on Acid-Activated Bentonite Clay as an Applicable Heterogeneous Catalyst for the Photo-Fenton-like Oxidation of Textile Organic Pollutants. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 7983-7990.	3.7	69
85	Catalytic oxidation of carbon monoxide in a fixed bed reactor. <i>Separation and Purification Technology</i> , 2004, 34, 105-108.	7.9	15
86	Study of isosteric heat of adsorption and activation energy for surface diffusion of gases on activated carbon using equilibrium and kinetics information. <i>Separation and Purification Technology</i> , 2004, 34, 165-176.	7.9	24
87	Effect of pore size distribution shape on the prediction of binary adsorption equilibrium and kinetics of gases in activated carbon. <i>Separation and Purification Technology</i> , 2004, 34, 177-190.	7.9	13
88	Discoloration and mineralization of Orange II by using Fe <sup>3+</sup> -doped TiO <sub>2</sub> and bentonite clay-based Fe nanocatalysts. <i>Catalysis Today</i> , 2004, 98, 441-446.	4.4	64
89	Pillared laponite clay-based Fe nanocomposites as heterogeneous catalysts for photo-Fenton degradation of acid black 1. <i>Chemical Engineering Science</i> , 2004, 59, 5269-5275.	3.8	67
90	Degradation of salicylic acid by photo-assisted Fenton reaction using Fe ions on strongly acidic ion exchange resin as catalyst. <i>Chemical Engineering Journal</i> , 2004, 100, 159-165.	12.7	47

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91	Novel Bentonite Clay-Based Fe <sup>3+</sup> Nanocomposite as a Heterogeneous Catalyst for Photo-Fenton Discoloration and Mineralization of Orange II. <i>Environmental Science &amp; Technology</i> , 2004, 38, 269-275.	10.0	218
92	Discoloration and Mineralization of Orange II Using Different Heterogeneous Catalysts Containing Fe: A Comparative Study. <i>Environmental Science &amp; Technology</i> , 2004, 38, 5773-5778.	10.0	170
93	Discoloration and Mineralization of Non-biodegradable Azo Dye Orange II by Copper-doped TiO <sub>2</sub> Nanocatalysts. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2004, 39, 2583-2595.	1.7	1
94	Simulation and analysis of pressure swing adsorption: ethanol drying process by the electrical analogue. <i>Separation and Purification Technology</i> , 2003, 31, 31-35.	7.9	31
95	Catalytic wet air oxidation of wastewater containing ammonia and phenol over activated carbon supported Pt catalysts. <i>Catalysis Today</i> , 2003, 88, 37-47.	4.4	77
96	A novel laponite clay-based Fe nanocomposite and its photo-catalytic activity in photo-assisted degradation of Orange II. <i>Chemical Engineering Science</i> , 2003, 58, 679-685.	3.8	86
97	A new system design for the preparation of copper/activated carbon catalyst by metal-organic chemical vapor deposition method. <i>Chemical Engineering Science</i> , 2003, 58, 687-695.	3.8	39
98	Degradation of Azo-dye Orange II by a Photoassisted Fenton Reaction Using a Novel Composite of Iron Oxide and Silicate Nanoparticles as a Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 2058-2066.	3.7	245
99	Discoloration and mineralization of Reactive Red HE-3B by heterogeneous photo-Fenton reaction. <i>Water Research</i> , 2003, 37, 3776-3784.	11.3	166
100	On the degradability of printing and dyeing wastewater by wet air oxidation. <i>Water Research</i> , 2001, 35, 2078-2080.	11.3	53
101	Adsorption Study of Benzene in Ink-Bottle-Like MCM-41. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 862-867.	3.7	56
102	Copper/MCM-41 as catalyst for photochemically enhanced oxidation of phenol by hydrogen peroxide. <i>Catalysis Today</i> , 2001, 68, 129-133.	4.4	51
103	Synthesis of anatase TiO <sub>2</sub> supported on porous solids by chemical vapor deposition. <i>Catalysis Today</i> , 2001, 68, 173-182.	4.4	203
104	Copper/MCM-41 as catalyst for the wet oxidation of phenol. <i>Applied Catalysis B: Environmental</i> , 2001, 32, 151-156.	20.2	82
105	CONTINUOUS CATALYTIC WET AIR OXIDATION OF PHENOL IN A TRICKLE BED REACTOR. , 2000, , .		2
106	Use IAST with MPSPD to predict binary adsorption kinetics on activated carbon. <i>AIChE Journal</i> , 2000, 46, 1743-1752.	3.6	11
107	Effect of micropore size distribution induced heterogeneity on binary adsorption kinetics of hydrocarbons in activated carbon. <i>Chemical Engineering Science</i> , 2000, 55, 1533-1544.	3.8	21
108	On the performance of HIAST and IAST in the prediction of multicomponent adsorption equilibria. <i>Separation and Purification Technology</i> , 2000, 20, 243-249.	7.9	21

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109	Wet Air Oxidation of Desizing Wastewater from the Textile Industry. Industrial & Engineering Chemistry Research, 2000, 39, 2896-2901.	3.7	57
110	Novel Silica Gel Supported TiO <sub>2</sub> Photocatalyst Synthesized by CVD Method. Langmuir, 2000, 16, 6216-6222.	3.5	189
111	Role of Pore Size Distribution in the Binary Adsorption Kinetics of Gases in Activated Carbon. Studies in Surface Science and Catalysis, 2000, 128, 401-410.	1.5	6
112	Using Local IAST with Micropore Size Distribution To Predict Multicomponent Adsorption Equilibrium of Gases in Activated Carbon. Langmuir, 2000, 16, 1292-1298.	3.5	30
113	Study of Binary Adsorption Equilibrium of Hydrocarbons in Activated Carbon Using Micropore Size Distribution. Langmuir, 2000, 16, 5130-5136.	3.5	25
114	Application of IAST in the Prediction of Multicomponent Adsorption Equilibrium of Gases in Heterogeneous Solids: A Micropore Size Distribution versus Energy Distribution. Industrial & Engineering Chemistry Research, 2000, 39, 527-532.	3.7	19
115	COPPER/MCM-41 AS PHOTOCATALYST FOR THE OXIDATION OF PHENOL. , 2000, , .		1
116	ESTIMATION OF ACTIVATION ENERGY FOR DESORPTION OF LOW-VOLATILITY DIOXINS ON ZEOLITES BY TPD TECHNIQUE. , 2000, , .		1
117	USING LOCAL IAS THEORY AND PORE SIZE DISTRIBUTION CONCEPT TO PREDICT BINARY ADSORPTION KINETICS OF GASES ON ACTIVATED CARBON. , 2000, , .		0
118	SIMULATION AND ANALYSIS OF PRESSURE SWING ADSORPTION ETHANOL DRYING PROCESS BY THE ELECTRICAL ANALOGUE. , 2000, , .		0
119	Copper/activated carbon as catalyst for organic wastewater treatment. Carbon, 1999, 37, 631-637.	10.3	95
120	MULTICOMPONENT ADSORPTION EQUILIBRIUM OF GASES IN ZEOLITE: EFFECT OF PORE SIZE DISTRIBUTION. Chemical Engineering Communications, 1999, 174, 201-214.	2.6	17
121	Preparation of Heterogeneous Photocatalyst (TiO <sub>2</sub> /Alumina) by Metallo-Organic Chemical Vapor Deposition. Industrial & Engineering Chemistry Research, 1999, 38, 3381-3385.	3.7	61
122	Multicomponent Adsorption Kinetics of Gases in Activated Carbon: A Effect of Pore Size Distribution. Langmuir, 1999, 15, 6428-6437.	3.5	19
123	Oxidative degradation of poly vinyl alcohol by the photochemically enhanced Fenton reaction. Journal of Photochemistry and Photobiology A: Chemistry, 1998, 116, 159-166.	3.9	54
124	Improved wet oxidation for the treatment of dyeing wastewater concentrate from membrane separation process. Water Research, 1998, 32, 2753-2759.	11.3	41
125	Metallo-Organic Chemical Vapor Deposition (MOCVD) for the Development of Heterogeneous Catalysts. Energy & Fuels, 1998, 12, 1108-1113.	5.1	33
126	Validity of isothermality in adsorption kinetics of gases in bidispersed solids. AIChE Journal, 1995, 41, 1581-1584.	3.6	10



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127	Comparing various multicomponent adsorption equilibrium models. <i>AIChE Journal</i> , 1995, 41, 1585-1592.	3.6	45
128	Ternary adsorption kinetics of gases in activated carbon. <i>Separation and Purification Technology</i> , 1994, 8, 175-186.	0.3	17
129	Ternary desorption and displacement kinetics of gases in activated carbon. <i>Separation and Purification Technology</i> , 1994, 8, 187-190.	0.3	14
130	Effect of Surface Heterogeneity on the Adsorption Kinetics of Gases in Activated Carbon: Pore Size Distribution vs Energy Distribution. <i>Langmuir</i> , 1994, 10, 3296-3302.	3.5	22
131	Effect of energy distribution on sorption kinetics in bidispersed particles. <i>AIChE Journal</i> , 1993, 39, 249-261.	3.6	31
132	Role of energy distribution in multicomponent sorption kinetics in bidispersed solids. <i>AIChE Journal</i> , 1993, 39, 1628-1640.	3.6	30
133	Effect of surface energetic heterogeneity on the kinetics of adsorption of gases in microporous activated carbon. <i>Langmuir</i> , 1993, 9, 2530-2536.	3.5	20