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List of Publications by Year
in descending order

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241 papers	15,940 citations	15466 65 h-index	20900 115 g-index
248 all docs	248 docs citations	248 times ranked	14897 citing authors

#	ARTICLE	IF	CITATIONS
1	Combined Effect of Nitrogenâ€•and Oxygenâ€Containing Functional Groups of Microporous Activated Carbon on its Electrochemical Performance in Supercapacitors. Advanced Functional Materials, 2009, 19, 438-447.	7.8	1,475
2	Surface functional groups of carbons and the effects of their chemical character, density and accessibility to ions on electrochemical performance. Carbon, 2008, 46, 1475-1488.	5.4	774
3	MOFâ€“Graphite Oxide Composites: Combining the Uniqueness of Graphene Layers and Metalâ€“Organic Frameworks. Advanced Materials, 2009, 21, 4753-4757.	11.1	563
4	On the Adsorption/Oxidation of Hydrogen Sulfide on Activated Carbons at Ambient Temperatures. Journal of Colloid and Interface Science, 2002, 246, 1-20.	5.0	316
5	Synthesis, Characterization, and Ammonia Adsorption Properties of Mesoporous Metalâ€“Organic Framework (MIL(Fe))â€“Graphite Oxide Composites: Exploring the Limits of Materials Fabrication. Advanced Functional Materials, 2011, 21, 2108-2117.	7.8	294
6	The synthesis and characterization of copper-based metalâ€“organic framework/graphite oxide composites. Carbon, 2011, 49, 563-572.	5.4	293
7	S- and N-doped carbon quantum dots: Surface chemistry dependent antibacterial activity. Carbon, 2018, 135, 104-111.	5.4	244
8	Revisiting the chemistry of graphite oxides and its effect on ammonia adsorption. Journal of Materials Chemistry, 2009, 19, 9176.	6.7	235
9	Exploring the coordination chemistry of MOFâ€“graphite oxide composites and their applications as adsorbents. Dalton Transactions, 2012, 41, 4027.	1.6	217
10	Reactive Adsorption of Ammonia on Cu-Based MOF/Graphene Composites. Langmuir, 2010, 26, 15302-15309.	1.6	213
11	Importance of Structural and Chemical Heterogeneity of Activated Carbon Surfaces for Adsorption of Dibenzothiophene. Langmuir, 2005, 21, 7752-7759.	1.6	206
12	Hydrogen Sulfide Adsorption on MOFs and MOF/Graphite Oxide Composites. ChemPhysChem, 2010, 11, 3678-3684.	1.0	206
13	Adsorption/Oxidation of Hydrogen Sulfide on Nitrogen-Containing Activated Carbons. Langmuir, 2000, 16, 1980-1986.	1.6	196
14	Adsorption of methylene blue on cashew nut shell based carbons activated with zinc chloride: The role of surface and structural parameters. Journal of Molecular Liquids, 2017, 229, 465-471.	2.3	191
15	Reactive adsorption of acidic gases on MOF/graphite oxide composites. Microporous and Mesoporous Materials, 2012, 154, 107-112.	2.2	190
16	Characterization of the surfaces of activated carbons in terms of their acidity constant distributions. Carbon, 1993, 31, 1193-1202.	5.4	187
17	Polymer/Metal Organic Framework (MOF) Nanocomposites for Biomedical Applications. Molecules, 2020, 25, 185.	1.7	173
18	Sewage Sludge-Derived Materials as Efficient Adsorbents for Removal of Hydrogen Sulfide. Environmental Science & Technology, 2001, 35, 1537-1543.	4.6	171

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19	Mechanism of Ammonia Retention on Graphite Oxides:â€‰ Role of Surface Chemistry and Structure. Journal of Physical Chemistry C, 2007, 111, 15596-15604.	1.5	162
20	Textural and chemical factors affecting adsorption capacity of activated carbon in highly efficient desulfurization of diesel fuel. Carbon, 2009, 47, 2491-2500.	5.4	160
21	Cuâ€"BTC MOFâ€"graphene-based hybrid materials as low concentration ammonia sensors. Journal of Materials Chemistry A, 2015, 3, 11417-11429.	5.2	155
22	Reactions of VX, GD, and HD with Zr(OH)₄: Near Instantaneous Decontamination of VX. Journal of Physical Chemistry C, 2012, 116, 11606-11614.	1.5	154
23	MOFâ€"graphite oxide nanocomposites: surface characterization and evaluation as adsorbents of ammonia. Journal of Materials Chemistry, 2009, 19, 6521.	6.7	150
24	Metalâ€free Nanoporous Carbon as a Catalyst for Electrochemical Reduction of CO₂ to CO and CH₄. ChemSusChem, 2016, 9, 606-616.	3.6	149
25	S-doped micro/mesoporous carbonâ€"graphene composites as efficient supercapacitors in alkaline media. Journal of Materials Chemistry A, 2013, 1, 11717.	5.2	144
26	Toward Understanding Reactive Adsorption of Ammonia on Cu-MOF/Graphite Oxide Nanocomposites. Langmuir, 2011, 27, 13043-13051.	1.6	137
27	MOF/graphite oxide hybrid materials: exploring the new concept of adsorbents and catalysts. Adsorption, 2011, 17, 5-16.	1.4	133
28	Agricultural biomass/waste as adsorbents for toxic metal decontamination of aqueous solutions. Journal of Molecular Liquids, 2019, 295, 111684.	2.3	131
29	Adsorption of SO2on Activated Carbons: The Effect of Nitrogen Functionality and Pore Sizes. Langmuir, 2002, 18, 1257-1264.	1.6	128
30	On the Mechanism of Hydrogen Sulfide Removal from Moist Air on Catalytic Carbonaceous Adsorbents. Industrial & Engineering Chemistry Research, 2005, 44, 530-538.	1.8	124
31	On the reactive adsorption of ammonia on activated carbons modified by impregnation with inorganic compounds. Journal of Colloid and Interface Science, 2009, 338, 329-345.	5.0	120
32	Use of chicken feather and eggshell to synthesize a novel magnetized activated carbon for sorption of heavy metal ions. Bioresource Technology, 2020, 297, 122452.	4.8	120
33	H2S adsorption/oxidation on unmodified activated carbons: importance of prehumidification. Carbon, 2001, 39, 2303-2311.	5.4	116
34	Graphite Oxide/Polyoxometalate Nanocomposites as Adsorbents of Ammonia. Journal of Physical Chemistry C, 2009, 113, 3800-3809.	1.5	110
35	Removal of dorzolamide from biomedical wastewaters with adsorption onto graphite oxide/poly(acrylic acid) grafted chitosan nanocomposite. Bioresource Technology, 2014, 152, 399-406.	4.8	110
36	Aloe vera waste biomass-based adsorbents for the removal of aquatic pollutants: A review. Journal of Environmental Management, 2018, 227, 354-364.	3.8	110

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37	Oxidized gâ€€ ₃ N ₄ Nanospheres as Catalytically Photoactive Linkers in MOF/gâ€€ ₃ N ₄ Composite of Hierarchical Pore Structure. Small, 2017, 13, 1601758.	5.2	109
38	Smart textiles of MOF/g-C₃N₄nanospheres for the rapid detection/detoxification of chemical warfare agents. Nanoscale Horizons, 2017, 2, 356-364.	4.1	105
39	Engineering the surface of a new class of adsorbents: Metalâ€“organic framework/graphite oxide composites. Journal of Colloid and Interface Science, 2015, 447, 139-151.	5.0	101
40	The effects of urea modification and heat treatment on the process of NO2 removal by wood-based activated carbon. Journal of Colloid and Interface Science, 2009, 333, 97-103.	5.0	97
41	Effect of 1-(3-phenoxypropyl) pyridazin-1-ium bromide on steel corrosion inhibition in acidic medium. Journal of Colloid and Interface Science, 2019, 541, 418-424.	5.0	97
42	Interactions of Ammonia with the Surface of Microporous Carbon Impregnated with Transition Metal Chlorides. Journal of Physical Chemistry C, 2007, 111, 12705-12714.	1.5	96
43	Enhanced Reactive Adsorption of Hydrogen Sulfide on the Composites of Graphene/Graphite Oxide with Copper (Hydr)oxychlorides. ACS Applied Materials & Interfaces, 2012, 4, 3316-3324.	4.0	94
44	Multi-parametric adsorption effects of the reactive dye removal with commercial activated carbons. Journal of Molecular Liquids, 2016, 213, 381-389.	2.3	91
45	Determination of Proton Affinity Distributions for Chemical Systems in Aqueous Environments Using a Stable Numerical Solution of the Adsorption Integral Equation. Journal of Colloid and Interface Science, 1995, 172, 341-346.	5.0	89
46	Graphite Oxides Obtained from Porous Graphite: The Role of Surface Chemistry and Texture in Ammonia Retention at Ambient Conditions. Advanced Functional Materials, 2010, 20, 1670-1679.	7.8	88
47	Activated carbon versus metal-organic frameworks: A review of their PFAS adsorption performance. Journal of Hazardous Materials, 2022, 425, 127810.	6.5	88
48	Effects of Surface Features on Adsorption of SO₂ on Graphite Oxide/Zr(OH)₄ Composites. Journal of Physical Chemistry C, 2010, 114, 14552-14560.	1.5	87
49	Activated carbon-based gas sensors: effects of surface features on the sensing mechanism. Journal of Materials Chemistry A, 2015, 3, 3821-3831.	5.2	87
50	Reactive adsorption of hydrogen sulfide on graphite oxide/Zr(OH)4 composites. Chemical Engineering Journal, 2011, 166, 1032-1038.	6.6	86
51	ZnFe2O4/activated carbon as a regenerable adsorbent for catalytic removal of H2S from air at room temperature. Chemical Engineering Journal, 2020, 394, 124906.	6.6	86
52	Removal of ammonia by graphite oxide via its intercalation and reactive adsorption. Carbon, 2007, 45, 2130-2132.	5.4	82
53	Adsorption of Dibenzothiophenes on Nanoporous Carbons: Identification of Specific Adsorption Sites Governing Capacity and Selectivity. Energy & Fuels, 2010, 24, 3352-3360.	2.5	82
54	Carbon Quantum Dot Surface-Chemistry-Dependent Ag Release Governs the High Antibacterial Activity of Ag-Metalâ€“Organic Framework Composites. ACS Applied Bio Materials, 2018, 1, 693-707.	2.3	80

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55	Porous carbon modified with sulfur in energy related applications. Carbon, 2017, 118, 561-577.	5.4	77
56	Visible-Light-Enhanced Interactions of Hydrogen Sulfide with Composites of Zinc (Oxy)hydroxide with Graphite Oxide and Graphene. Langmuir, 2012, 28, 1337-1346.	1.6	76
57	Enhanced uranium removal from acidic wastewater by phosphonate-functionalized ordered mesoporous silica: Surface chemistry matters the most. Journal of Hazardous Materials, 2021, 413, 125279.	6.5	76
58	Interactions of 4,6-Dimethyldibenzothiophene with the Surface of Activated Carbons. Langmuir, 2009, 25, 9302-9312.	1.6	74
59	Role of sulfur and nitrogen surface groups in adsorption of formaldehyde on nanoporous carbons. Carbon, 2018, 138, 283-291.	5.4	74
60	Additive-free photo-assisted selective partial oxidation at ambient conditions of 5-hydroxymethylfurfural by manganese (IV) oxide nanorods. Applied Catalysis B: Environmental, 2019, 256, 117803.	10.8	74
61	Study of H2S Adsorption and Water Regeneration of Spent Coconut-Based Activated Carbon. Environmental Science & Technology, 2000, 34, 4587-4592.	4.6	72
62	Adsorptive removal of an eight-component volatile organic compound mixture by Cu-, Co-, and Zr-metal-organic frameworks: Experimental and theoretical studies. Chemical Engineering Journal, 2020, 397, 125391.	6.6	72
63	Insight into the mechanism of CO2 adsorption on Cuâ€“BTC and its composites with graphite oxide or aminated graphite oxide. Chemical Engineering Journal, 2014, 239, 399-407.	6.6	71
64	Adsorption/Oxidation of CH3SH on Activated Carbons Containing Nitrogen. Langmuir, 2003, 19, 6115-6121.	1.6	70
65	Layered double hydroxides/biochar composites as adsorbents for water remediation applications: recent trends and perspectives. Journal of Cleaner Production, 2021, 284, 124755.	4.6	68
66	Adsorptive Removal of Thiophenic Compounds from Oils by Activated Carbon Modified with Concentrated Nitric Acid. Energy & Fuels, 2013, 27, 1499-1505.	2.5	67
67	Electrochemical Reduction of Oxygen on Hydrophobic Ultramicroporous PolyHIPE Carbon. ACS Catalysis, 2016, 6, 5618-5628.	5.5	67
68	Desulfurization of digester gas: prediction of activated carbon bed performance at low concentrations of hydrogen sulfide. Catalysis Today, 2005, 99, 329-337.	2.2	65
69	Nanoengineered Electrodes for Biomass-Derived 5-Hydroxymethylfurfural Electrocatalytic Oxidation to 2,5-Furandicarboxylic Acid. ACS Sustainable Chemistry and Engineering, 2021, 9, 1970-1993.	3.2	65
70	Fingerprint imaging using N-doped carbon dots. Carbon, 2019, 144, 791-797.	5.4	64
71	Enhanced reactive adsorption of H₂S on Cuâ€“BTC/ S- and N-doped GO composites. Journal of Materials Chemistry A, 2015, 3, 8194-8204.	5.2	63
72	Metal Organic Frameworks as Desulfurization Adsorbents of DBT and 4,6-DMDBT from Fuels. Molecules, 2019, 24, 4525.	1.7	61

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73	Investigation of the enhancing effects of sulfur and/or oxygen functional groups of nanoporous carbons on adsorption of dibenzothiophenes. Carbon, 2011, 49, 1216-1224.	5.4	60
74	Manganese oxide and graphite oxide/MnO2 composites as reactive adsorbents of ammonia at ambient conditions. Microporous and Mesoporous Materials, 2012, 150, 55-63.	2.2	60
75	A New Generation of Surface Active Carbon Textiles As Reactive Adsorbents of Indoor Formaldehyde. ACS Applied Materials & Interfaces, 2018, 10, 8066-8076.	4.0	60
76	Aminated graphite oxides and their composites with copper-based metalâ€“organic framework: in search for efficient media for CO2 sequestration. RSC Advances, 2013, 3, 9932.	1.7	59
77	Removal of heavy metals by leaves-derived biosorbents. Environmental Chemistry Letters, 2019, 17, 755-766.	8.3	59
78	Reactive adsorption of mustard gas surrogate on zirconium (hydr)oxide/graphite oxide composites: the role of surface and chemical features. Journal of Materials Chemistry A, 2016, 4, 1008-1019.	5.2	57
79	Reactive adsorption of SO2 on activated carbons with deposited iron nanoparticles. Journal of Hazardous Materials, 2013, 246-247, 300-309.	6.5	56
80	Effect of confined space reduction of graphite oxide followed by sulfur doping on oxygen reduction reaction in neutral electrolyte. Journal of Materials Chemistry A, 2013, 1, 7059.	5.2	56
81	Extraction of Metal Ions with Metalâ€“Organic Frameworks. Molecules, 2019, 24, 4605.	1.7	56
82	Photoactivity of gâ€C₃N₄/Sâ€Doped Porous Carbon Composite: Synergistic Effect of Composite Formation. ChemSusChem, 2016, 9, 795-799.	3.6	55
83	Insight into the Capacitive Performance of Sulfurâ€Doped Nanoporous Carbons Modified by Addition of Graphene Phase. Electroanalysis, 2014, 26, 109-120.	1.5	54
84	Highly luminescent S-doped carbon dots for the selective detection of ammonia. Carbon, 2017, 114, 544-556.	5.4	54
85	Ultrasound-activated TiO2/GO-based bifunctional photoreactive adsorbents for detoxification of chemical warfare agent surrogate vapors. Chemical Engineering Journal, 2020, 395, 125099.	6.6	54
86	A comprehensive review on selected graphene synthesis methods: from electrochemical exfoliation through rapid thermal annealing towards biomass pyrolysis. Journal of Materials Chemistry C, 2021, 9, 6722-6748.	2.7	54
87	Role of Graphite Oxide (GO) and Polyaniline (PANI) in NO₂ Reduction on GO-PANI Composites. Industrial & Engineering Chemistry Research, 2007, 46, 6925-6935.	1.8	53
88	Effect of surface chemical and structural heterogeneity of copper-based MOF/graphite oxide composites on the adsorption of ammonia. Journal of Colloid and Interface Science, 2014, 417, 109-114.	5.0	51
89	Zinc peroxide nanoparticles: Surface, chemical and optical properties and the effect of thermal treatment on the detoxification of mustard gas. Applied Catalysis B: Environmental, 2018, 226, 429-440.	10.8	51
90	Effect of Carbon Surface Modification with Dimethylamine on Reactive Adsorption of NO_{<i>x</i>}. Langmuir, 2011, 27, 1837-1843.	1.6	50

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91	Zinc (hydr)oxide/graphite based-phase composites: effect of the carbonaceous phase on surface properties and enhancement in electrical conductivity. Journal of Materials Chemistry, 2012, 22, 7970.	6.7	50
92	Sulfurâ€Doped Carbon Aerogel as a Metalâ€Free Oxygen Reduction Catalyst. ChemCatChem, 2015, 7, 2924-2931.	1.8	50
93	Role of Surface Chemistry and Morphology in the Reactive Adsorption of H₂S on Iron (Hydr)Oxide/Graphite Oxide Composites. Langmuir, 2015, 31, 2730-2742.	1.6	50
94	Catalytic oxidative desulfurization of a 4,6-DMDBT containing model fuel by metal-free activated carbons: the key role of surface chemistry. Green Chemistry, 2019, 21, 6685-6698.	4.6	49
95	Municipal Sludgeâˆ’Industrial Sludge Composite Desulfurization Adsorbents:Â Synergy Enhancing the Catalytic Properties. Environmental Science & Technology, 2006, 40, 3378-3383.	4.6	48
96	Role of Zr⁴⁺ Cations in NO₂ Adsorption on Ce_{1-<i>x</i>}Zr_{<i>x</i>}O₂ Mixed Oxides at Ambient Conditions. Langmuir, 2011, 27, 9379-9386.	1.6	48
97	Importance of carbon surface chemistry in development of ironâ€“carbon composite adsorbents for arsenate removal. Journal of Hazardous Materials, 2011, 186, 667-674.	6.5	48
98	Photocatalytic Platforms for Removal of Ammonia from Gaseous and Aqueous Matrixes: Status and Challenges. ACS Catalysis, 2020, 10, 8683-8716.	5.5	48
99	Pyridine-, thiol- and amine-functionalized mesoporous silicas for adsorptive removal of pharmaceuticals. Microporous and Mesoporous Materials, 2020, 299, 110132.	2.2	48
100	Adsorption/Reduction of NO₂ on Graphite Oxide/Iron Composites. Industrial & Engineering Chemistry Research, 2009, 48, 10884-10891.	1.8	47
101	Visible light driven photoelectrochemical water splitting on metal free nanoporous carbon promoted by chromophoric functional groups. Carbon, 2014, 79, 432-441.	5.4	47
102	Effect of GO phase in Zn(OH)2/GO composite on the extent of photocatalytic reactive adsorption of mustard gas surrogate. Applied Catalysis B: Environmental, 2016, 183, 37-46.	10.8	47
103	Cobalt (hydr)oxide/graphite oxide composites: Importance of surface chemical heterogeneity for reactive adsorption of hydrogen sulfide. Journal of Colloid and Interface Science, 2012, 378, 1-9.	5.0	45
104	Origin and Perspectives of the Photochemical Activity of Nanoporous Carbons. Advanced Science, 2018, 5, 1800293.	5.6	45
105	Analysis of interactions of mustard gas surrogate vapors with porous carbon textiles. Chemical Engineering Journal, 2019, 362, 758-766.	6.6	45
106	Defectous UiO-66 MOF Nanocomposites as Reactive Media of Superior Protection against Toxic Vapors. ACS Applied Materials & Interfaces, 2020, 12, 14678-14689.	4.0	44
107	Adsorption of ammonia on graphite oxide/aluminium polycation and graphite oxide/zirconiumâ€“aluminium polyoxycation composites. Journal of Colloid and Interface Science, 2008, 324, 25-35.	5.0	43
108	Reactive adsorption of hydrogen sulfide on visible light photoactive zinc (hydr)oxide/graphite oxide and zinc (hydr)oxychloride/graphite oxide composites. Applied Catalysis B: Environmental, 2013, 132-133, 321-331.	10.8	43

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109	Key role of terminal hydroxyl groups and visible light in the reactive adsorption/catalytic conversion of mustard gas surrogate on zinc (hydr)oxides. Applied Catalysis B: Environmental, 2015, 174-175, 96-104.	10.8	43
110	Visible light enhanced removal of a sulfur mustard gas surrogate from a vapor phase on novel hydrous ferric oxide/graphite oxide composites. Journal of Materials Chemistry A, 2015, 3, 220-231.	5.2	43
111	Mesoporous Graphitic Carbon Nitrideâ€Based Nanospheres as Visibleâ€Light Active Chemical Warfare Agents Decontaminant. ChemNanoMat, 2016, 2, 268-272.	1.5	42
112	Combined Effect of Porosity and Surface Chemistry on the Electrochemical Reduction of Oxygen on Cellular Vitreous Carbon Foam Catalyst. ACS Catalysis, 2017, 7, 7466-7478.	5.5	42
113	Engaging nanoporous carbons in â€œbeyond adsorptionâ€• applications: Characterization, challenges and performance. Carbon, 2020, 164, 69-84.	5.4	41
114	Dual Role of Water in the Process of Methyl Mercaptan Adsorption on Activated Carbons. Langmuir, 2002, 18, 8553-8559.	1.6	40
115	Effect of nanoporous carbon surface chemistry on the removal of endocrine disruptors from water phase. Journal of Colloid and Interface Science, 2015, 449, 180-191.	5.0	40
116	Effective impregnation for the preparation of magnetic mesoporous carbon: application to dye adsorption. Journal of Chemical Technology and Biotechnology, 2017, 92, 1899-1911.	1.6	39
117	Degradation of endocrine disruptor, bisphenol-A, on an mixed oxidation state manganese oxide/modified graphite oxide composite: A role of carbonaceous phase. Journal of Colloid and Interface Science, 2019, 539, 516-524.	5.0	39
118	Detoxification of mustard gas surrogate on ZnO2/g-C3N4 composites: Effect of surface featuresâ€™ synergy and day-night photocatalysis. Applied Catalysis B: Environmental, 2020, 272, 119038.	10.8	39
119	Propensity and appraisal of biochar performance in removal of oil spills: A comprehensive review. Environmental Pollution, 2021, 288, 117676.	3.7	39
120	Study of Hydrogen Sulfide Adsorption on Activated Carbons Using Inverse Gas Chromatography at Infinite Dilution. Journal of Physical Chemistry B, 2000, 104, 8841-8847.	1.2	38
121	Wood-Based Activated Carbons as Adsorbents of Hydrogen Sulfide: A Study of Adsorption and Water Regeneration Processes. Industrial & Engineering Chemistry Research, 2000, 39, 3849-3855.	1.8	37
122	Evaluation of GO/MnO2 composites as supercapacitors in neutral electrolytes: role of graphite oxide oxidation level. Journal of Materials Chemistry, 2012, 22, 23525.	6.7	37
123	Barium titanate perovskite nanoparticles as a photoreactive medium for chemical warfare agent detoxification. Journal of Colloid and Interface Science, 2018, 531, 233-244.	5.0	37
124	Sunflower-biomass derived adsorbents for toxic/heavy metals removal from (waste) water. Journal of Molecular Liquids, 2021, 342, 117540.	2.3	36
125	Zinc (hydr)oxide/graphite oxide/AuNPs composites: Role of surface features in H2S reactive adsorption. Journal of Colloid and Interface Science, 2014, 436, 296-305.	5.0	35
126	Irreversible water mediated transformation of BCN from a 3D highly porous form to its nonporous hydrolyzed counterpart. Journal of Materials Chemistry A, 2018, 6, 3510-3521.	5.2	35

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127	New Cu_xS_y/nanoporous carbon composites as efficient oxygen reduction catalysts in alkaline medium. Journal of Materials Chemistry A, 2014, 2, 20164-20176.	5.2	34
128	Aminated graphitic carbon derived from corn stover biomass as adsorbent against antibiotic tetracycline: Optimizing the physicochemical parameters. Journal of Molecular Liquids, 2020, 313, 113523.	2.3	34
129	When sonochemistry meets heterogeneous photocatalysis: designing a sonophotoreactor towards sustainable selective oxidation. Green Chemistry, 2020, 22, 4896-4905.	4.6	34
130	Effects of surface heterogeneity of cobalt oxyhydroxide/graphite oxide composites on reactive adsorption of hydrogen sulfide. Microporous and Mesoporous Materials, 2015, 204, 8-14.	2.2	32
131	Insight into the Mechanism of Oxygen Reduction Reaction on Micro/Mesoporous Carbons: Ultramicropores versus Nitrogen-Containing Catalytic Centers in Ordered Pore Structure. ACS Applied Energy Materials, 2019, 2, 7412-7424.	2.5	32
132	Zeolitic imidazolate frameworks (ZIFs) of various morphologies against eriochrome black-T (EBT): Optimizing the key physicochemical features by process modeling. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 606, 125391.	2.3	32
133	Highly Efficient Air Desulfurization on Self-Assembled Bundles of Copper Hydroxide Nanorods. ACS Applied Materials & Interfaces, 2016, 8, 31986-31994.	4.0	31
134	Evaluation of nitrogen- and sulfur-doped porous carbon textiles as electrode materials for flexible supercapacitors. Electrochimica Acta, 2019, 305, 125-136.	2.6	31
135	Mechanochemical Forces as a Synthetic Tool for Zero- and One-Dimensional Titanium Oxide-Based Nano-photocatalysts. Topics in Current Chemistry, 2020, 378, 2.	3.0	31
136	Novel Approaches Utilizing Metal-Organic Framework Composites for the Extraction of Organic Compounds and Metal Traces from Fish and Seafood. Molecules, 2020, 25, 513.	1.7	31
137	Copper Hydroxyl Nitrate/Graphite Oxide Composite as Superoxidant for the Decomposition/Mineralization of Organophosphateâ€Based Chemical Warfare Agent Surrogate. Advanced Materials Interfaces, 2015, 2, 1500215.	1.9	30
138	Mustard Gas Surrogate Interactions with Modified Porous Carbon Fabrics: Effect of Oxidative Treatment. Langmuir, 2017, 33, 11475-11483.	1.6	30
139	Towards understanding reactive adsorption of small molecule toxic gases on carbonaceous materials. Catalysis Today, 2012, 186, 20-28.	2.2	29
140	Ferrihydrite deposited on cotton textiles as protection media against the chemical warfare agent surrogate (2-chloroethyl ethyl sulfide). Journal of Materials Chemistry A, 2017, 5, 4972-4981.	5.2	29
141	Nitrogen enrichment of S-doped nanoporous carbon by g-C3N4: Insight into photosensitivity enhancement. Carbon, 2016, 107, 895-906.	5.4	28
142	Oxygen Electroreduction on Nanoporous Carbons: Textural Features vs Nitrogen and Boron Catalytic Centers. ChemCatChem, 2019, 11, 851-860.	1.8	28
143	A Novel Nanocomposite of Activated Serpentine Mineral Decorated with Magnetic Nanoparticles for Rapid and Effective Adsorption of Hazardous Cationic Dyes: Kinetics and Equilibrium Studies. Nanomaterials, 2020, 10, 684.	1.9	28
144	Study of carbon microstructure by using inverse gas chromatography. Carbon, 1994, 32, 687-691.	5.4	27

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145	Ultramicropore-influenced mechanism of oxygen electroreduction on metal-free carbon catalysts. Journal of Materials Chemistry A, 2019, 7, 27110-27123.	5.2	27
146	Reactive adsorption of CEES on iron oxyhydroxide/(N-)graphite oxide composites under visible light exposure. Journal of Materials Chemistry A, 2015, 3, 17080-17090.	5.2	26
147	Carbon Textiles Modified with Copper-Based Reactive Adsorbents as Efficient Media for Detoxification of Chemical Warfare Agents. ACS Applied Materials & Interfaces, 2017, 9, 26965-26973.	4.0	26
148	Mechanistic insights into acetaminophen removal on cashew nut shell biomass-derived activated carbons. Environmental Science and Pollution Research, 2021, 28, 58969-58982.	2.7	26
149	Comparison of Heavy Metals Removal from Aqueous Solution by Moringa oleifera Leaves and Seeds. Coatings, 2021, 11, 508.	1.2	26
150	Microcalorimetric insight into the analysis of the reactive adsorption of ammonia on Cu-MOF and its composite with graphite oxide. Journal of Materials Chemistry, 2012, 22, 21443.	6.7	25
151	Insight into the role of the oxidized graphite precursor on the properties of copper-based MOF/graphite oxide composites. Microporous and Mesoporous Materials, 2013, 179, 205-211.	2.2	25
152	Analysis of factors affecting visible and UV enhanced oxidation of dibenzothiophenes on sulfur-doped activated carbons. Carbon, 2013, 62, 356-364.	5.4	25
153	Mixed CuFe and ZnFe (hydr)oxides as reactive adsorbents of chemical warfare agent surrogates. Journal of Hazardous Materials, 2017, 329, 141-149.	6.5	25
154	Polyoxometalate hybrid catalyst for detection and photodecomposition of mustard gas surrogate vapors. Applied Surface Science, 2019, 467-468, 428-438.	3.1	25
155	Effect of Visibleâ€Light Exposure and Electrolyte Oxygen Content on the Capacitance of Sulfurâ€Doped Carbon. ChemElectroChem, 2014, 1, 565-572.	1.7	24
156	Removal of hydrogen sulfide at ambient conditions on cadmium/GO-based composite adsorbents. Journal of Colloid and Interface Science, 2015, 448, 573-581.	5.0	24
157	Nitrogen-containing activated carbon of improved electrochemical performance derived from cotton stalks using indirect chemical activation. Journal of Colloid and Interface Science, 2019, 540, 285-294.	5.0	24
158	Metal-organic and Zeolitic imidazole frameworks as cationic dye adsorbents: physicochemical optimizations by parametric modeling and kinetic studies. Journal of Molecular Liquids, 2021, 332, 115832.	2.3	24
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