Dimitrios A Giannakoudakis

List of Publications by Year in Descending Order

240 papers	12,526 citations	57 h-index	103 g-index
248 ext. papers	14,142 ext. citations	8.1 avg, IF	7.21 L-index

#	Paper	IF	Citations
240	Mixed metal oxides derived from layered double hydroxide as catalysts for biodiesel production. *Applied Catalysis A: General*, **2022**, 630, 118470	5.1	1
239	Catalytic Neutralization of Water Pollutants Mediated by Dendritic Polymers.. *Nanomaterials*, **2022**, 12,	5.4	5
238	Deep desulfurization of model fuels by metal-free activated carbons: The impact of surface oxidation and antagonistic effects by mono- and poly-aromatics. *Journal of Molecular Liquids*, **2022**, 351, 118661	6	2
237	Pitahaya Fruit (Hylocereus spp.) Peels Evaluation for Removal of Pb(II), Cd(II), Co(II), and Ni(II) from the Waters. *Sustainability*, **2022**, 14, 1685	3.6	1
236	High-frequency sonication for the synthesis of nanocluster-decorated titania nanorods: Making a better photocatalyst for the selective oxidation of monoaromatic alcohol. *Catalysis Communications*, **2022**, 163, 106406	3.2	0
235	Dynamic/column tests for dibenzothiophene (DBT) removal using chemically functionalized carbons: Exploring the effect of physicochemical features and breakthrough modeling. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 642, 128597	5.1	0
234	Biochemical changes in cancer cells induced by photoactive nanosystem based on carbon dots loaded with Ru-complex.. *Chemico-Biological Interactions*, **2022**, 360, 109950	5	0
233	Sol-gel□derived silica xerogels: Synthesis, properties, and their applicability for removal of hazardous pollutants **2022**, 261-277		0
232	Carbon-Based Nanocatalysts (CnCs) for Biomass Valorization and Hazardous Organics Remediation. *Nanomaterials*, **2022**, 12, 1679	5.4	1
231	Regeneration strategies for metal□rganic frameworks post acidic gas capture. *Coordination Chemistry Reviews*, **2022**, 467, 214629	23.2	
230	Mechanistic insights into acetaminophen removal on cashew nut shell biomass-derived activated carbons. *Environmental Science and Pollution Research*, **2021**, 28, 58969-58982	5.1	15
229	Activated carbon versus metal-organic frameworks: A review of their PFAS adsorption performance. *Journal of Hazardous Materials*, **2021**, 425, 127810	12.8	6
228	A Novel Combined Treatment Process of Hybrid Biosorbent□Nanofiltration for Effective Pb(II) Removal from Wastewater. *Water (Switzerland)*, **2021**, 13, 3316	3	0
227	Arsenazo III removal from diagnostic laboratories wastewater by effective adsorption onto thermochemically modified ordered mesoporous carbon. *Environmental Nanotechnology, Monitoring and Management*, **2021**, 16, 100607	3.3	1
226	Activated Carbons for Arsenic Removal from Natural Waters and Wastewaters: A Review. *Water (Switzerland)*, **2021**, 13, 2982	3	2
225	Green photosensitisers for the degradation of selected pesticides of high risk in most susceptible food: A safer approach. *PLoS ONE*, **2021**, 16, e0258864	3.7	
224	Alternative view of oxygen reduction on porous carbon electrocatalysts: the substance of complex oxygen-surface interactions. *IScience*, **2021**, 24, 102216	6.1	6

223	Comparison of Heavy Metals Removal from Aqueous Solution by Moringa oleifera Leaves and Seeds. *Coatings*, **2021**, 11, 508	2.9	7
222	Activated biochars derived from wood biomass liquefaction residues for effective removal of hazardous hexavalent chromium from aquatic environments. *GCB Bioenergy*, **2021**, 13, 1247-1259	5.6	8
221	Chemically heterogeneous carbon dots enhanced cholesterol detection by MALDI TOF mass spectrometry. *Journal of Colloid and Interface Science*, **2021**, 591, 373-383	9.3	7
220	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	6	9
219	FeNi doped porous carbon as an efficient catalyst for oxygen evolution reaction. *Frontiers of Chemical Science and Engineering*, **2021**, 15, 279-287	4.5	12
218	Boosting the Photoactivity of Grafted Titania: Ultrasound-Driven Synthesis of a Multi-Phase Heterogeneous Nano-Architected Photocatalyst. *Advanced Functional Materials*, **2021**, 31, 2007115	15.6	12
217	Layered double hydroxides/biochar composites as adsorbents for water remediation applications: recent trends and perspectives. *Journal of Cleaner Production*, **2021**, 284, 124755	10.3	23
216	Proposing an unbiased oxygen reduction reaction onset potential determination by using a Savitzky-Golay differentiation procedure. *Journal of Colloid and Interface Science*, **2021**, 586, 597-600	9.3	4
215	Biomass-derived porous aminated graphitic nanosheets for removal of the pharmaceutical metronidazole: Optimization of physicochemical features and exploration of process mechanisms. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 611, 125791	5.1	9
214	Carbonaceous Adsorbents Derived from Agricultural Sources for the Removal of Pramipexole Pharmaceutical Model Compound from Synthetic Aqueous Solutions. *Processes*, **2021**, 9, 253	2.9	1
213	Defluoridationof drinking water by metal impregnated multi-layer green graphene fabricated from trees pruning waste. *Environmental Science and Pollution Research*, **2021**, 28, 18201-18215	5.1	3
212	Nanoengineered Electrodes for Biomass-Derived 5-Hydroxymethylfurfural Electrocatalytic Oxidation to 2,5-Furandicarboxylic Acid. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 1970-1993	8.3	22
211	Homogeneous photocatalysts immobilized on polymeric supports: Environmental and chemical synthesis applications **2021**, 575-588		
210	Exploring the Aspect of Carbon Nanopores. *Nanomaterials*, **2021**, 11,	5.4	7
209	Scrolled titanate nanosheet composites with reduced graphite oxide for photocatalytic and adsorptive removal of toxic vapors. *Chemical Engineering Journal*, **2021**, 415, 128907	14.7	8
208	Enhanced uranium removal from acidic wastewater by phosphonate-functionalized ordered mesoporous silica: Surface chemistry matters the most. *Journal of Hazardous Materials*, **2021**, 413, 125279	13.8	31
207	Ultrasound-assisted decoration of CuOx nanoclusters on TiO2 nanoparticles for additives free photocatalytic hydrogen production and biomass valorization by selective oxidation. *Molecular Catalysis*, **2021**, 514, 111664	3.3	2
206	Coupling electrocoagulation and solar photocatalysis for electro- and photo-catalytic removal of carmoisine by Ag/graphitic carbon nitride: Optimization by process modeling and kinetic studies. *Journal of Molecular Liquids*, **2021**, 340, 116917	6	5

205	Sunflower-biomass derived adsorbents for toxic/heavy metals removal from (waste) water. *Journal of Molecular Liquids*, **2021**, 342, 117540	6	11
204	The effect of ZnFe2O4/activated carbon adsorbent photocatalytic activity on gas-phase desulfurization. *Chemical Engineering Journal*, **2021**, 423, 130255	14.7	4
203	Propensity and appraisal of biochar performance in removal of oil spills: A comprehensive review. *Environmental Pollution*, **2021**, 288, 117676	9.3	9
202	Activated Porous Carbon Derived from Tea and Plane Tree Leaves Biomass for the Removal of Pharmaceutical Compounds from Wastewaters. *Antibiotics*, **2021**, 10,	4.9	11
201	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	14.7	36
200	Effect of the Incorporation of Functionalized Cellulose Nanocrystals into UiO-66 on Composite Porosity and Surface Heterogeneity Alterations. *Advanced Materials Interfaces*, **2020**, 7, 1902098	4.6	6
199	Aminated graphitic carbon derived from corn stover biomass as adsorbent against antibiotic tetracycline: Optimizing the physicochemical parameters. *Journal of Molecular Liquids*, **2020**, 313, 113523	6	24
198	When sonochemistry meets heterogeneous photocatalysis: designing a sonophotoreactor towards sustainable selective oxidation. *Green Chemistry*, **2020**, 22, 4896-4905	10	17
197	Design and development of TiO2 coated microflow reactor for photocatalytic partial oxidation of benzyl alcohol. *Molecular Catalysis*, **2020**, 486, 110884	3.3	14
196	Engaging nanoporous carbons in "beyond adsorption" applications: Characterization, challenges and performance. *Carbon*, **2020**, 164, 69-84	10.4	24
195	Photocatalytic Platforms for Removal of Ammonia from Gaseous and Aqueous Matrixes: Status and Challenges. *ACS Catalysis*, **2020**, 10, 8683-8716	13.1	29
194	Carbonaceous material obtained from bark biomass as adsorbent of phenolic compounds from aqueous solutions. *Journal of Environmental Chemical Engineering*, **2020**, 8, 103784	6.8	10
193	Pyridine-, thiol- and amine-functionalized mesoporous silicas for adsorptive removal of pharmaceuticals. *Microporous and Mesoporous Materials*, **2020**, 299, 110132	5.3	26
192	Novel Approaches Utilizing Metal-Organic Framework Composites for the Extraction of Organic Compounds and Metal Traces from Fish and Seafood. *Molecules*, **2020**, 25,	4.8	19
191	ZnFe2O4/activated carbon as a regenerable adsorbent for catalytic removal of H2S from air at room temperature. *Chemical Engineering Journal*, **2020**, 394, 124906	14.7	28
190	Application of Fusarium sp. immobilized on multi-walled carbon nanotubes for solid-phase extraction and trace analysis of heavy metal cations. *Food Chemistry*, **2020**, 322, 126757	8.5	6
189	Tailoring Surface Chemistry of Sugar-Derived Ordered Mesoporous Carbons Towards Efficient Removal of Diclofenac From Aquatic Environments. *Materials*, **2020**, 13,	3.5	10
188	Detoxification of mustard gas surrogate on ZnO2/g-C3N4 composites: Effect of surface features, synergy and day-night photocatalysis. *Applied Catalysis B: Environmental*, **2020**, 272, 119038	21.8	23

187	Ultrasound-activated TiO2/GO-based bifunctional photoreactive adsorbents for detoxification of chemical warfare agent surrogate vapors. *Chemical Engineering Journal*, **2020**, 395, 125099	14.7	32
186	A novel multifunctional adsorbent of pomegranate peel extract and activated anthracite for Mn(VII) and Cr(VI) uptake from solutions: Experiments and theoretical treatment. *Journal of Molecular Liquids*, **2020**, 311, 113169	6	15
185	Polymer/Metal Organic Framework (MOF) Nanocomposites for Biomedical Applications. *Molecules*, **2020**, 25,	4.8	77
184	Use of chicken feather and eggshell to synthesize a novel magnetized activated carbon for sorption of heavy metal ions. *Bioresource Technology*, **2020**, 297, 122452	11	53
183	Defectous UiO-66 MOF Nanocomposites as Reactive Media of Superior Protection against Toxic Vapors. *ACS Applied Materials & Interfaces*, **2020**, 12, 14678-14689	9.5	25
182	Exfoliated Clay Decorated with Magnetic Iron Nanoparticles for Crystal Violet Adsorption: Modeling and Physicochemical Interpretation. *Nanomaterials*, **2020**, 10,	5.4	11
181	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	5.1	16
180	Vanadium oxide nanoparticles for methylene blue water remediation: Exploring the effect of physicochemical parameters by process modeling. *Journal of Molecular Liquids*, **2020**, 318, 114046	6	5
179	Pyrolyzed biosolid surface features promote a highly efficient oxygen reduction reaction. *Green Chemistry*, **2020**, 22, 7858-7870	10	6
178	Experimental and Theoretical Studies of Methyl Orange Uptake by Mn-Rich Synthetic Mica: Insights into Manganese Role in Adsorption and Selectivity. *Nanomaterials*, **2020**, 10,	5.4	15
177	Composite porous carbon textile with deposited barium titanate nanospheres as wearable protection medium against toxic vapors. *Chemical Engineering Journal*, **2020**, 384, 123280	14.7	17
176	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,	5.4	15
175	Agricultural biomass/waste as adsorbents for toxic metal decontamination of aqueous solutions. *Journal of Molecular Liquids*, **2019**, 295, 111684	6	87
174	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	6.1	18
173	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	9.3	69
172	Analysis of interactions of mustard gas surrogate vapors with porous carbon textiles. *Chemical Engineering Journal*, **2019**, 362, 758-766	14.7	29
171	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	21.8	42
170	Graphite Oxide Nanocomposites for Air Stream Desulfurization **2019**, 1-24		3

169	Evaluation of nitrogen- and sulfur-doped porous carbon textiles as electrode materials for flexible supercapacitors. *Electrochimica Acta*, **2019**, 305, 125-136	6.7	17
168	TiO/S-Doped Carbons Hybrids: Analysis of Their Interfacial and Surface Features. *Molecules*, **2019**, 24,	4.8	7
167	Mechanochemical Forces as a Synthetic Tool for Zero- and One-Dimensional Titanium Oxide-Based Nano-photocatalysts. *Topics in Current Chemistry*, **2019**, 378, 2	7.2	21
166	Extraction of Metal Ions with Metal-Organic Frameworks. *Molecules*, **2019**, 24,	4.8	30
165	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	10	33
164	Ultramicropore-influenced mechanism of oxygen electroreduction on metal-free carbon catalysts. *Journal of Materials Chemistry A*, **2019**, 7, 27110-27123	13	18
163	Metal Organic Frameworks as Desulfurization Adsorbents of DBT and 4,6-DMDBT from Fuels. *Molecules*, **2019**, 24,	4.8	29
162	Building MOF Nanocomposites with Oxidized Graphitic Carbon Nitride Nanospheres: The Effect of Framework Geometry on the Structural Heterogeneity. *Molecules*, **2019**, 24,	4.8	10
161	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	9.3	31
160	Fingerprint imaging using N-doped carbon dots. *Carbon*, **2019**, 144, 791-797	10.4	39
159	Oxygen Electroreduction on Nanoporous Carbons: Textural Features vs Nitrogen and Boron Catalytic Centers. *ChemCatChem*, **2019**, 11, 851-860	5.2	20
158	Removal of heavy metals by leaves-derived biosorbents. *Environmental Chemistry Letters*, **2019**, 17, 755-766	13	45
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	9.3	14
156	Polyoxometalate hybrid catalyst for detection and photodecomposition of mustard gas surrogate vapors. *Applied Surface Science*, **2019**, 467-468, 428-438	6.7	19
155	A New Generation of Surface Active Carbon Textiles As Reactive Adsorbents of Indoor Formaldehyde. *ACS Applied Materials & Interfaces*, **2018**, 10, 8066-8076	9.5	37
154	S- and N-doped carbon quantum dots: Surface chemistry dependent antibacterial activity. *Carbon*, **2018**, 135, 104-111	10.4	152
153	Path Towards Future Research **2018**, 125-144		
152	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	13	27

151	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	21.8	40
150	Detoxification of Chemical Warfare Agents **2018**,		11
149	Chemical Warfare Agents (CWAs) **2018**, 1-3		
148	Leaf Biosorbents for the Removal of Heavy Metals. *Environmental Chemistry for A Sustainable World* , **2018**, 87-126	0.8	1
147	Carbon Quantum Dot Surface-Chemistry-Dependent Ag Release Governs the High Antibacterial Activity of Ag-Metal-Organic Framework Composites.. *ACS Applied Bio Materials*, **2018**, 1, 693-707	4.1	37
146	Origin and Perspectives of the Photochemical Activity of Nanoporous Carbons. *Advanced Science*, **2018**, 5, 1800293	13.6	37
145	Barium titanate perovskite nanoparticles as a photoreactive medium for chemical warfare agent detoxification. *Journal of Colloid and Interface Science*, **2018**, 531, 233-244	9.3	31
144	Role of sulfur and nitrogen surface groups in adsorption of formaldehyde on nanoporous carbons. *Carbon*, **2018**, 138, 283-291	10.4	46
143	Role of Heteroatoms in S,N-Codoped Nanoporous Carbon Materials in CO (Photo)electrochemical Reduction. *ChemSusChem*, **2018**, 11, 2987-2999	8.3	17
142	New Approaches in the Detoxification of CWAs **2018**, 37-123		0
141	Current Protection Against CWAs **2018**, 33-36		
140	Mustard Gas: The King of CWAs **2018**, 27-31		
139	World War I: Militarization of Chemistry **2018**, 5-26		2
138	Aloe vera waste biomass-based adsorbents for the removal of aquatic pollutants: A review. *Journal of Environmental Management*, **2018**, 227, 354-364	7.9	66
137	Mixed CuFe and ZnFe (hydr)oxides as reactive adsorbents of chemical warfare agent surrogates. *Journal of Hazardous Materials*, **2017**, 329, 141-149	12.8	22
136	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	13	24
135	Effective impregnation for the preparation of magnetic mesoporous carbon: application to dye adsorption. *Journal of Chemical Technology and Biotechnology*, **2017**, 92, 1899-1911	3.5	32
134	Porous carbon modified with sulfur in energy related applications. *Carbon*, **2017**, 118, 561-577	10.4	61

133	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	6	139
132	Highly luminescent S-doped carbon dots for the selective detection of ammonia. *Carbon*, **2017**, 114, 544-556	6.4	42
131	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	13.1	35
130	Mustard Gas Surrogate Interactions with Modified Porous Carbon Fabrics: Effect of Oxidative Treatment. *Langmuir*, **2017**, 33, 11475-11483	4	22
129	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	9.5	20
128	Smart textiles of MOF/g-CN nanospheres for the rapid detection/detoxification of chemical warfare agents. *Nanoscale Horizons*, **2017**, 2, 356-364	10.8	78
127	Photosensitivity of g-C3N4/S-doped carbon composites: study of surface stability upon exposure to CO2 and/or water in ambient light. *Journal of Materials Chemistry A*, **2017**, 5, 24880-24891	13	15
126	Oxidized g-C N Nanospheres as Catalytically Photoactive Linkers in MOF/g-C N Composite of Hierarchical Pore Structure. *Small*, **2017**, 13, 1601758	11	73
125	The Role of Carbon on Copper Carbon Composites for the Electrooxidation of Alcohols in an Alkaline Medium. *Journal of Carbon Research*, **2017**, 3, 36	3.3	3
124	Efficient Air Desulfurization Catalysts Derived from Pig Manure Liquefaction Char. *Journal of Carbon Research*, **2017**, 3, 37	3.3	3
123	Multi-parametric adsorption effects of the reactive dye removal with commercial activated carbons. *Journal of Molecular Liquids*, **2016**, 213, 381-389	6	74
122	Reactive removal of 2-chloroethyl ethyl sulfide vapors under visible light irradiation by cerium oxide modified highly porous zirconium (hydr) oxide. *Applied Surface Science*, **2016**, 390, 735-743	6.7	10
121	Highly Efficient Air Desulfurization on Self-Assembled Bundles of Copper Hydroxide Nanorods. *ACS Applied Materials & Interfaces*, **2016**, 8, 31986-31994	9.5	28
120	Mesoporous Graphitic Carbon Nitride-Based Nanospheres as Visible-Light Active Chemical Warfare Agents Decontaminant. *ChemNanoMat*, **2016**, 2, 268-272	3.5	35
119	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	13	49
118	Moisture insensitive adsorption of ammonia on resorcinol-formaldehyde resins. *Journal of Hazardous Materials*, **2016**, 305, 96-104	12.8	14
117	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	21.8	45
116	Nitrogen enrichment of S-doped nanoporous carbon by g-C3N4: Insight into photosensitivity enhancement. *Carbon*, **2016**, 107, 895-906	10.4	26

115	Electrochemical Reduction of Oxygen on Hydrophobic Ultramicroporous PolyHIPE Carbon. *ACS Catalysis*, **2016**, 6, 5618-5628	13.1	48
114	Metal-free Nanoporous Carbon as a Catalyst for Electrochemical Reduction of CO2 to CO and CH4. *ChemSusChem*, **2016**, 9, 606-16	8.3	120
113	Photoactivity of g-C3 N4 /S-Doped Porous Carbon Composite: Synergistic Effect of Composite Formation. *ChemSusChem*, **2016**, 9, 795-9	8.3	39
112	Effect of Ag containing (nano)particles on reactive adsorption of mustard gas surrogate on iron oxyhydroxide/graphite oxide composites under visible light irradiation. *Chemical Engineering Journal*, **2016**, 303, 123-136	14.7	23
111	Nanoporous Carbons: Looking Beyond Their Perception as Adsorbents, Catalyst Supports and Supercapacitors. *Chemical Record*, **2016**, 16, 205-18	6.6	19
110	Removal of hydrogen sulfide at ambient conditions on cadmium/GO-based composite adsorbents. *Journal of Colloid and Interface Science*, **2015**, 448, 573-81	9.3	19
109	CuBTC MOFGraphene-based hybrid materials as low concentration ammonia sensors. *Journal of Materials Chemistry A*, **2015**, 3, 11417-11429	13	120
108	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	21.8	37
107	Reactive adsorption of CEES on iron oxyhydroxide/(N-)graphite oxide composites under visible light exposure. *Journal of Materials Chemistry A*, **2015**, 3, 17080-17090	13	20
106	Effect of nanoporous carbon surface chemistry on the removal of endocrine disruptors from water phase. *Journal of Colloid and Interface Science*, **2015**, 449, 180-91	9.3	33
105	Effects of surface heterogeneity of cobalt oxyhydroxide/graphite oxide composites on reactive adsorption of hydrogen sulfide. *Microporous and Mesoporous Materials*, **2015**, 204, 8-14	5.3	26
104	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	13	40
103	Engineering the surface of a new class of adsorbents: metal-organic framework/graphite oxide composites. *Journal of Colloid and Interface Science*, **2015**, 447, 139-51	9.3	84
102	Peculiar Properties of Mesoporous Synthetic Carbon/Graphene Phase Composites and their Effect on Supercapacitive Performance. *ChemSusChem*, **2015**, 8, 1955-65	8.3	10
101	Sulfur-Doped Carbon Aerogel as a Metal-Free Oxygen Reduction Catalyst. *ChemCatChem*, **2015**, 7, 2924-2931	5.2	41
100	Copper Hydroxyl Nitrate/Graphite Oxide Composite as Superoxidant for the Decomposition/Mineralization of Organophosphate-Based Chemical Warfare Agent Surrogate. *Advanced Materials Interfaces*, **2015**, 2, 1500215	4.6	27
99	Enhanced reactive adsorption of H2S on CuBTC/ S- and N-doped GO composites. *Journal of Materials Chemistry A*, **2015**, 3, 8194-8204	13	48
98	Carbon phase-graphite oxide composites based on solid state interactions between the components: Importance of surface chemistry and microstructure. *Carbon*, **2015**, 95, 580-588	10.4	7

97	Time-resolved fluorescence and ultrafast energy transfer in a zinc (hydr)oxide–graphite oxide mesoporous composite. *Journal of Photonics for Energy*, **2015**, 5, 053084	1.2	1
96	Activated carbon-based gas sensors: effects of surface features on the sensing mechanism. *Journal of Materials Chemistry A*, **2015**, 3, 3821-3831	13	64
95	Role of surface chemistry and morphology in the reactive adsorption of H_2S on iron (hydr)oxide/graphite oxide composites. *Langmuir*, **2015**, 31, 2730-42	4	41
94	Insight into the mechanism of CO_2 adsorption on Cu–BTC and its composites with graphite oxide or aminated graphite oxide. *Chemical Engineering Journal*, **2014**, 239, 399-407	14.7	52
93	Hybrid solar cells of micro/mesoporous $Zn(OH)_2$ and its graphite composites sensitized by CdSe quantum dots. *Journal of Photonics for Energy*, **2014**, 4, 043098	1.2	3
92	Effect of Visible-Light Exposure and Electrolyte Oxygen Content on the Capacitance of Sulfur-Doped Carbon. *ChemElectroChem*, **2014**, 1, 565-572	4.3	22
91	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, 109-14	9.3	42
90	Removal of dorzolamide from biomedical wastewaters with adsorption onto graphite oxide/poly(acrylic acid) grafted chitosan nanocomposite. *Bioresource Technology*, **2014**, 152, 399-406	11	96
89	Zinc (hydr)oxide/graphite oxide/AuNPs composites: role of surface features in H_2S reactive adsorption. *Journal of Colloid and Interface Science*, **2014**, 436, 296-305	9.3	26
88	Visible light driven photoelectrochemical water splitting on metal free nanoporous carbon promoted by chromophoric functional groups. *Carbon*, **2014**, 79, 432-441	10.4	41
87	Effect of the graphene phase presence in nanoporous S-doped carbon on photoactivity in UV and visible light. *Applied Catalysis B: Environmental*, **2014**, 147, 842-850	21.8	22
86	New Cu_xS_y/nanoporous carbon composites as efficient oxygen reduction catalysts in alkaline medium. *Journal of Materials Chemistry A*, **2014**, 2, 20164-20176	13	31
85	Insight into the Capacitive Performance of Sulfur-Doped Nanoporous Carbons Modified by Addition of Graphene Phase. *Electroanalysis*, **2014**, 26, 109-120	3	46
84	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	5.3	21
83	Aminated graphite oxides and their composites with copper-based metal–organic framework: in search for efficient media for CO_2 sequestration. *RSC Advances*, **2013**, 3, 9932	3.7	52
82	Analysis of factors affecting visible and UV enhanced oxidation of dibenzothiophenes on sulfur-doped activated carbons. *Carbon*, **2013**, 62, 356-364	10.4	23
81	Self-organized nanostructured materials of alkylated phthalocyanines and underivatized C60 on ITO. *RSC Advances*, **2013**, 3, 21360	3.7	6
80	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	21.8	37

79	Involvement of water and visible light in the enhancement in SO2 adsorption at ambient conditions on the surface of zinc (hydr)oxide/graphite oxide composites. *Chemical Engineering Journal*, **2013**, 223, 442-453	14.7	11
78	Reactive adsorption of SO2 on activated carbons with deposited iron nanoparticles. *Journal of Hazardous Materials*, **2013**, 246-247, 300-9	12.8	47
77	Adsorptive Removal of Thiophenic Compounds from Oils by Activated Carbon Modified with Concentrated Nitric Acid. *Energy & Fuels*, **2013**, 27, 1499-1505	4.1	59
76	Band gap energies of solar micro/meso-porous composites of zinc (hydr)oxide with graphite oxides. *Journal of Applied Physics*, **2013**, 114, 043522	2.5	8
75	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	13	52
74	S-doped micro/mesoporous carbon–graphene composites as efficient supercapacitors in alkaline media. *Journal of Materials Chemistry A*, **2013**, 1, 11717	13	126
73	Impregnation of activated carbon by iron oxyhydroxide and its effect on arsenate removal. *Journal of Chemical Technology and Biotechnology*, **2013**, 88, 1058-1066	3.5	16
72	Structural and optical characterization of Zn(OH)2 and its composites with graphite oxides. *Optics Letters*, **2013**, 38, 962-4	3	12
71	Utilization of Third-Stage Waste from a Rice Production for Removal of H2S, NO2 and SO2 from Air. *Adsorption Science and Technology*, **2013**, 31, 199-212	3.6	1
70	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	9.3	40
69	Manganese oxide and graphite oxide/MnO2 composites as reactive adsorbents of ammonia at ambient conditions. *Microporous and Mesoporous Materials*, **2012**, 150, 55-63	5.3	52
68	Reactive adsorption of acidic gases on MOF/graphite oxide composites. *Microporous and Mesoporous Materials*, **2012**, 154, 107-112	5.3	165
67	Exploring the coordination chemistry of MOF-graphite oxide composites and their applications as adsorbents. *Dalton Transactions*, **2012**, 41, 4027-35	4.3	192
66	Visible-light-enhanced interactions of hydrogen sulfide with composites of zinc (oxy)hydroxide with graphite oxide and graphene. *Langmuir*, **2012**, 28, 1337-46	4	71
65	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		45
64	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		24
63	Evaluation of GO/MnO2 composites as supercapacitors in neutral electrolytes: role of graphite oxide oxidation level. *Journal of Materials Chemistry*, **2012**, 22, 23525		34
62	Interactions of NO2 with Zinc (Hydr)oxide/Graphene Phase Composites: Visible Light Enhanced Surface Reactivity. *Journal of Physical Chemistry C*, **2012**, 116, 2527-2535	3.8	22

61	Reactions of VX, GD, and HD with Zr(OH)4: Near Instantaneous Decontamination of VX. *Journal of Physical Chemistry C*, **2012**, 116, 11606-11614	3.8	134
60	Enhanced reactive adsorption of hydrogen sulfide on the composites of graphene/graphite oxide with copper (hydr)oxychlorides. *ACS Applied Materials & Interfaces*, **2012**, 4, 3316-24	9.5	80
59	Towards understanding reactive adsorption of small molecule toxic gases on carbonaceous materials. *Catalysis Today*, **2012**, 186, 20-28	5.3	21
58	Toward understanding reactive adsorption of ammonia on Cu-MOF/graphite oxide nanocomposites. *Langmuir*, **2011**, 27, 13043-51	4	117
57	Effect of carbon surface modification with dimethylamine on reactive adsorption of NO(x). *Langmuir*, **2011**, 27, 1837-43	4	40
56	Copper-Modified Activated Carbons as Adsorbents of NO under Ambient Conditions. *Adsorption Science and Technology*, **2011**, 29, 831-845	3.6	6
55	MOF/graphite oxide hybrid materials: exploring the new concept of adsorbents and catalysts. *Adsorption*, **2011**, 17, 5-16	2.6	116
54	Reactive adsorption of penicillin on activated carbons. *Adsorption*, **2011**, 17, 421-429	2.6	19
53	Importance of carbon surface chemistry in development of iron-carbon composite adsorbents for arsenate removal. *Journal of Hazardous Materials*, **2011**, 186, 667-74	12.8	43
52	Reactive adsorption of hydrogen sulfide on graphite oxide/Zr(OH)4 composites. *Chemical Engineering Journal*, **2011**, 166, 1032-1038	14.7	77
51	Synthesis, Characterization, and Ammonia Adsorption Properties of Mesoporous Metal□Organic Framework (MIL(Fe))□Graphite Oxide Composites: Exploring the Limits of Materials Fabrication. *Advanced Functional Materials*, **2011**, 21, 2108-2117	15.6	262
50	Role of Zr4+ cations in NO2 adsorption on Ce(1-x)Zr(x)O2 mixed oxides at ambient conditions. *Langmuir*, **2011**, 27, 9379-86	4	43
49	The synthesis and characterization of copper-based metal□organic framework/graphite oxide composites. *Carbon*, **2011**, 49, 563-572	10.4	250
48	Investigation of the enhancing effects of sulfur and/or oxygen functional groups of nanoporous carbons on adsorption of dibenzothiophenes. *Carbon*, **2011**, 49, 1216-1224	10.4	54
47	Removal of dibenzothiophenes from model diesel fuel on sulfur rich activated carbons. *Applied Catalysis B: Environmental*, **2011**,	21.8	8
46	Adsorption of Dibenzothiophenes on Nanoporous Carbons: Identification of Specific Adsorption Sites Governing Capacity and Selectivity□*Energy & Fuels*, **2010**, 24, 3352-3360	4.1	79
45	Reactive adsorption of ammonia on Cu-based MOF/graphene composites. *Langmuir*, **2010**, 26, 15302-9	4	181
44	Effects of Surface Features on Adsorption of SO2 on Graphite Oxide/Zr(OH)4 Composites. *Journal of Physical Chemistry C*, **2010**, 114, 14552-14560	3.8	77

43	Hydrogen sulfide adsorption on MOFs and MOF/graphite oxide composites. *ChemPhysChem*, **2010**, 11, 3678-84	3.2	173
42	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	15.6	80
41	Interactions of 4,6-dimethyldibenzothiophene with the surface of activated carbons. *Langmuir*, **2009**, 25, 9302-12	4	70
40	Combined Effect of Nitrogen- and Oxygen-Containing Functional Groups of Microporous Activated Carbon on its Electrochemical Performance in Supercapacitors. *Advanced Functional Materials*, **2009**, 19, 438-447	15.6	1287
39	MOF Graphite Oxide Composites: Combining the Uniqueness of Graphene Layers and Metal Organic Frameworks. *Advanced Materials*, **2009**, 21, 4753-4757	24	489
38	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	9.3	89
37	On the reactive adsorption of ammonia on activated carbons modified by impregnation with inorganic compounds. *Journal of Colloid and Interface Science*, **2009**, 338, 329-45	9.3	101
36	Textural and chemical factors affecting adsorption capacity of activated carbon in highly efficient desulfurization of diesel fuel. *Carbon*, **2009**, 47, 2491-2500	10.4	146
35	Adsorption/Reduction of NO2 on Graphite Oxide/Iron Composites. *Industrial & Engineering Chemistry Research*, **2009**, 48, 10884-10891	3.9	44
34	MOF graphite oxide nanocomposites: surface characterization and evaluation as adsorbents of ammonia. *Journal of Materials Chemistry*, **2009**, 19, 6521		136
33	Revisiting the chemistry of graphite oxides and its effect on ammonia adsorption. *Journal of Materials Chemistry*, **2009**, 19, 9176		215
32	Graphite Oxide/Polyoxometalate Nanocomposites as Adsorbents of Ammonia. *Journal of Physical Chemistry C*, **2009**, 113, 3800-3809	3.8	102
31	Surface Chemistry of Carbon Materials **2008**, 45-92		17
30	Adsorption of ammonia on graphite oxide/aluminium polycation and graphite oxide/zirconium-aluminium polyoxycation composites. *Journal of Colloid and Interface Science*, **2008**, 324, 25-35	9.3	40
29	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	10.4	651
28	Role of Graphite Oxide (GO) and Polyaniline (PANI) in NO2 Reduction on GO-PANI Composites. *Industrial & Engineering Chemistry Research*, **2007**, 46, 6925-6935	3.9	45
27	Removal of ammonia by graphite oxide via its intercalation and reactive adsorption. *Carbon*, **2007**, 45, 2130-2132	10.4	74
26	Mechanism of Ammonia Retention on Graphite Oxides: Role of Surface Chemistry and Structure *Journal of Physical Chemistry C*, **2007**, 111, 15596-15604	3.8	145

25	Silica-Polyamine-Based Carbon Composite Adsorbents as Media for Effective Hydrogen Sulfide Adsorption/Oxidation. *Chemistry of Materials*, **2007**, 19, 2500-2511	9.6	21
24	Interactions of Ammonia with the Surface of Microporous Carbon Impregnated with Transition Metal Chlorides. *Journal of Physical Chemistry C*, **2007**, 111, 12705-12714	3.8	87
23	Municipal sludge-industrial sludge composite desulfurization adsorbents: synergy enhancing the catalytic properties. *Environmental Science & Technology*, **2006**, 40, 3378-83	10.3	42
22	On the Mechanism of Hydrogen Sulfide Removal from Moist Air on Catalytic Carbonaceous Adsorbents. *Industrial & Engineering Chemistry Research*, **2005**, 44, 530-538	3.9	107
21	Importance of structural and chemical heterogeneity of activated carbon surfaces for adsorption of dibenzothiophene. *Langmuir*, **2005**, 21, 7752-9	4	195
20	Desulfurization of digester gas: prediction of activated carbon bed performance at low concentrations of hydrogen sulfide. *Catalysis Today*, **2005**, 99, 329-337	5.3	59
19	Predictions of H2S Breakthrough Capacity of Activated Carbons at Low Concentrations of Hydrogen Sulfide. *Adsorption*, **2005**, 11, 461-466	2.6	3
18	Adsorption/Oxidation of CH3SH on Activated Carbons Containing Nitrogen. *Langmuir*, **2003**, 19, 6115-6121	4	63
17	Heterogeneity of adsorption energy of water, methanol and diethyl ether on activated carbons: effect of porosity and surface chemistry. *Physical Chemistry Chemical Physics*, **2003**, 5, 2096	3.6	18
16	Effect of increased basicity of activated carbon surface on valeric acid adsorption from aqueous solution activated carbon. *Physical Chemistry Chemical Physics*, **2003**, 5, 4892	3.6	16
15	On the adsorption/oxidation of hydrogen sulfide on activated carbons at ambient temperatures. *Journal of Colloid and Interface Science*, **2002**, 246, 1-20	9.3	272
14	Adsorption of SO2on Activated Carbons: The Effect of Nitrogen Functionality and Pore Sizes. *Langmuir*, **2002**, 18, 1257-1264	4	118
13	Dual Role of Water in the Process of Methyl Mercaptan Adsorption on Activated Carbons. *Langmuir* , **2002**, 18, 8553-8559	4	34
12	Interactions of water, methanol and diethyl ether molecules with the surface of oxidized activated carbon. *Molecular Physics*, **2002**, 100, 2041-2048	1.7	14
11	H2S adsorption/oxidation on unmodified activated carbons: importance of prehumidification. *Carbon*, **2001**, 39, 2303-2311	10.4	103
10	Sewage sludge-derived materials as efficient adsorbents for removal of hydrogen sulfide. *Environmental Science & Technology*, **2001**, 35, 1537-43	10.3	157
9	Adsorption/Oxidation of Hydrogen Sulfide on Nitrogen-Containing Activated Carbons. *Langmuir*, **2000**, 16, 1980-1986	4	178
8	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	3.9	33

7	Study of Hydrogen Sulfide Adsorption on Activated Carbons Using Inverse Gas Chromatography at Infinite Dilution. *Journal of Physical Chemistry B*, **2000**, 104, 8841-8847	3.4	33
6	Study of H2S Adsorption and Water Regeneration of Spent Coconut-Based Activated Carbon. *Environmental Science & Technology*, **2000**, 34, 4587-4592	10.3	65
5	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	9.3	85
4	Study of carbon microstructure by using inverse gas chromatography. *Carbon*, **1994**, 32, 687-691	10.4	25
3	Characterization of the surfaces of activated carbons in terms of their acidity constant distributions. *Carbon*, **1993**, 31, 1193-1202	10.4	169
2	A comprehensive review on selected graphene synthesis methods: from electrochemical exfoliation through rapid thermal annealing towards biomass pyrolysis. *Journal of Materials Chemistry C*,	7.1	9
1	Harnessing Adsorption□Catalysis Synergy: Efficient Oxidative Removal of Gaseous Formaldehyde by a Manganese Dioxide/Metal□Organic Framework Nanocomposite at Room Temperature. *Advanced Functional Materials*,2107922	15.6	2