

Dimitrios A Giannakoudakis

List of Publications by Year in descending order

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241
papers

15,940
citations

15504

65
h-index

20961

115
g-index

248
all docs

248
docs citations

248
times ranked

14897
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of catalyst supports in biocatalysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2023, 98, 7-21.	3.2	13
2	Activated carbon versus metal-organic frameworks: A review of their PFAS adsorption performance. <i>Journal of Hazardous Materials</i> , 2022, 425, 127810.	12.4	88
3	Mixed metal oxides derived from layered double hydroxide as catalysts for biodiesel production. <i>Applied Catalysis A: General</i> , 2022, 630, 118470.	4.3	15
4	Catalytic Neutralization of Water Pollutants Mediated by Dendritic Polymers. <i>Nanomaterials</i> , 2022, 12, 445.	4.1	12
5	Deep desulfurization of model fuels by metal-free activated carbons: The impact of surface oxidation and antagonistic effects by mono- and poly-aromatics. <i>Journal of Molecular Liquids</i> , 2022, 351, 118661.	4.9	12
6	Pitahaya Fruit (<i>Hylocereus</i> spp.) Peels Evaluation for Removal of Pb(II), Cd(II), Co(II), and Ni(II) from the Waters. <i>Sustainability</i> , 2022, 14, 1685.	3.2	4
7	High-frequency sonication for the synthesis of nanocluster-decorated titania nanorods: Making a better photocatalyst for the selective oxidation of monoaromatic alcohol. <i>Catalysis Communications</i> , 2022, 163, 106406.	3.3	4
8	Harnessing Adsorptionâ€Catalysis Synergy: Efficient Oxidative Removal of Gaseous Formaldehyde by a Manganese Dioxide/Metalâ€Organic Framework Nanocomposite at Room Temperature. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	15
9	Surface interactions of oxytetracycline on municipal solid waste-derived biocharâ€montmorillonite composite. <i>Sustainable Environment</i> , 2022, 8, .	2.4	6
10	Dynamic/column tests for dibenzothiophene (DBT) removal using chemically functionalized carbons: Exploring the effect of physicochemical features and breakthrough modeling. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 642, 128597.	4.7	5
11	Biochemical changes in cancer cells induced by photoactive nanosystem based on carbon dots loaded with Ru-complex. <i>Chemico-Biological Interactions</i> , 2022, 360, 109950.	4.0	4
12	Sol-gelâ€derived silica xerogels: Synthesis, properties, and their applicability for removal of hazardous pollutants. , 2022, , 261-277.		2
13	Carbon-Based Nanocatalysts (CnCs) for Biomass Valorization and Hazardous Organics Remediation. <i>Nanomaterials</i> , 2022, 12, 1679.	4.1	12
14	Regeneration strategies for metalâ€organic frameworks post acidic gas capture. <i>Coordination Chemistry Reviews</i> , 2022, 467, 214629.	18.8	9
15	Empowering carbon materials robust gas desulfurization capability through an inclusion of active inorganic phases: A review of recent approaches. <i>Journal of Hazardous Materials</i> , 2022, 437, 129414.	12.4	11
16	Mechanistic insights into acetaminophen removal on cashew nut shell biomass-derived activated carbons. <i>Environmental Science and Pollution Research</i> , 2021, 28, 58969-58982.	5.3	26
17	FeNi doped porous carbon as an efficient catalyst for oxygen evolution reaction. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 279-287.	4.4	23
18	Boosting the Photoactivity of Grafted Titania: Ultrasoundâ€Driven Synthesis of a Multiâ€Phase Heterogeneous Nanoâ€Architected Photocatalyst. <i>Advanced Functional Materials</i> , 2021, 31, .	14.9	23

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19	Layered double hydroxides/biochar composites as adsorbents for water remediation applications: recent trends and perspectives. <i>Journal of Cleaner Production</i> , 2021, 284, 124755.	9.3	68
20	Proposing an unbiased oxygen reduction reaction onset potential determination by using a Savitzky-Golay differentiation procedure. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 597-600.	9.4	20
21	Biomass-derived porous aminated graphitic nanosheets for removal of the pharmaceutical metronidazole: Optimization of physicochemical features and exploration of process mechanisms. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125791.	4.7	21
22	Carbonaceous Adsorbents Derived from Agricultural Sources for the Removal of Pramipexole Pharmaceutical Model Compound from Synthetic Aqueous Solutions. <i>Processes</i> , 2021, 9, 253.	2.8	8
23	Defluoridation of drinking water by metal impregnated multi-layer green graphene fabricated from trees pruning waste. <i>Environmental Science and Pollution Research</i> , 2021, 28, 18201-18215.	5.3	8
24	Nanoengineered Electrodes for Biomass-Derived 5-Hydroxymethylfurfural Electrocatalytic Oxidation to 2,5-Furandicarboxylic Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1970-1993.	6.7	65
25	Homogeneous photocatalysts immobilized on polymeric supports: Environmental and chemical synthesis applications. , 2021, , 575-588.		0
26	Exploring the Silent Aspect of Carbon Nanopores. <i>Nanomaterials</i> , 2021, 11, 407.	4.1	13
27	Alternative view of oxygen reduction on porous carbon electrocatalysts: The substance of complex oxygen-surface interactions. <i>IScience</i> , 2021, 24, 102216.	4.1	13
28	Comparison of Heavy Metals Removal from Aqueous Solution by <i>Moringa oleifera</i> Leaves and Seeds. <i>Coatings</i> , 2021, 11, 508.	2.6	26
29	Activated biochars derived from wood biomass liquefaction residues for effective removal of hazardous hexavalent chromium from aquatic environments. <i>GCB Bioenergy</i> , 2021, 13, 1247-1259.	5.6	17
30	Chemically heterogeneous carbon dots enhanced cholesterol detection by MALDI TOF mass spectrometry. <i>Journal of Colloid and Interface Science</i> , 2021, 591, 373-383.	9.4	18
31	Metal-organic and Zeolitic imidazole frameworks as cationic dye adsorbents: physicochemical optimizations by parametric modeling and kinetic studies. <i>Journal of Molecular Liquids</i> , 2021, 332, 115832.	4.9	24
32	Scrolled titanate nanosheet composites with reduced graphite oxide for photocatalytic and adsorptive removal of toxic vapors. <i>Chemical Engineering Journal</i> , 2021, 415, 128907.	12.7	17
33	Enhanced uranium removal from acidic wastewater by phosphonate-functionalized ordered mesoporous silica: Surface chemistry matters the most. <i>Journal of Hazardous Materials</i> , 2021, 413, 125279.	12.4	76
34	Ultrasound-assisted decoration of CuOx nanoclusters on TiO2 nanoparticles for additives free photocatalytic hydrogen production and biomass valorization by selective oxidation. <i>Molecular Catalysis</i> , 2021, 514, 111664.	2.0	5
35	Innovative aspects of environmental chemistry and technology regarding air, water, and soil pollution. <i>Environmental Science and Pollution Research</i> , 2021, 28, 58958-58968.	5.3	3
36	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. <i>Journal of Molecular Liquids</i> , 2021, 340, 116917.	4.9	9

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37	Sunflower-biomass derived adsorbents for toxic/heavy metals removal from (waste) water. <i>Journal of Molecular Liquids</i> , 2021, 342, 117540.	4.9	36
38	The effect of ZnFe ₂ O ₄ /activated carbon adsorbent photocatalytic activity on gas-phase desulfurization. <i>Chemical Engineering Journal</i> , 2021, 423, 130255.	12.7	20
39	Propensity and appraisal of biochar performance in removal of oil spills: A comprehensive review. <i>Environmental Pollution</i> , 2021, 288, 117676.	7.5	39
40	Activated Porous Carbon Derived from Tea and Plane Tree Leaves Biomass for the Removal of Pharmaceutical Compounds from Wastewaters. <i>Antibiotics</i> , 2021, 10, 65.	3.7	21
41	A comprehensive review on selected graphene synthesis methods: from electrochemical exfoliation through rapid thermal annealing towards biomass pyrolysis. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6722-6748.	5.5	54
42	Activated Carbons for Arsenic Removal from Natural Waters and Wastewaters: A Review. <i>Water (Switzerland)</i> , 2021, 13, 2982.	2.7	18
43	Green photosensitisers for the degradation of selected pesticides of high risk in most susceptible food: A safer approach. <i>PLoS ONE</i> , 2021, 16, e0258864.	2.5	1
44	A Novel Combined Treatment Process of Hybrid Biosorbent "Nanofiltration for Effective Pb(II) Removal from Wastewater. <i>Water (Switzerland)</i> , 2021, 13, 3316.	2.7	5
45	Arsenazo III removal from diagnostic laboratories wastewater by effective adsorption onto thermochemically modified ordered mesoporous carbon. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100607.	2.9	2
46	Composite porous carbon textile with deposited barium titanate nanospheres as wearable protection medium against toxic vapors. <i>Chemical Engineering Journal</i> , 2020, 384, 123280.	12.7	23
47	Polymer/Metal Organic Framework (MOF) Nanocomposites for Biomedical Applications. <i>Molecules</i> , 2020, 25, 185.	3.8	173
48	Use of chicken feather and eggshell to synthesize a novel magnetized activated carbon for sorption of heavy metal ions. <i>Bioresource Technology</i> , 2020, 297, 122452.	9.6	120
49	Defectuous UiO-66 MOF Nanocomposites as Reactive Media of Superior Protection against Toxic Vapors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14678-14689.	8.0	44
50	Mechanochemical Forces as a Synthetic Tool for Zero- and One-Dimensional Titanium Oxide-Based Nano-photocatalysts. <i>Topics in Current Chemistry</i> , 2020, 378, 2.	5.8	31
51	Exfoliated Clay Decorated with Magnetic Iron Nanoparticles for Crystal Violet Adsorption: Modeling and Physicochemical Interpretation. <i>Nanomaterials</i> , 2020, 10, 1454.	4.1	21
52	Zeolitic imidazolate frameworks (ZIFs) of various morphologies against eriochrome black-T (EBT): Optimizing the key physicochemical features by process modeling. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 606, 125391.	4.7	32
53	Vanadium oxide nanoparticles for methylene blue water remediation: Exploring the effect of physicochemical parameters by process modeling. <i>Journal of Molecular Liquids</i> , 2020, 318, 114046.	4.9	16
54	Pyrolyzed biosolid surface features promote a highly efficient oxygen reduction reaction. <i>Green Chemistry</i> , 2020, 22, 7858-7870.	9.0	8

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55	Experimental and Theoretical Studies of Methyl Orange Uptake by Mn ²⁺ -Rich Synthetic Mica: Insights into Manganese Role in Adsorption and Selectivity. <i>Nanomaterials</i> , 2020, 10, 1464.	4.1	22
56	Adsorptive removal of an eight-component volatile organic compound mixture by Cu-, Co-, and Zr-metal-organic frameworks: Experimental and theoretical studies. <i>Chemical Engineering Journal</i> , 2020, 397, 125391.	12.7	72
57	Effect of the Incorporation of Functionalized Cellulose Nanocrystals into UiO-66 on Composite Porosity and Surface Heterogeneity Alterations. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902098.	3.7	15
58	Aminated graphitic carbon derived from corn stover biomass as adsorbent against antibiotic tetracycline: Optimizing the physicochemical parameters. <i>Journal of Molecular Liquids</i> , 2020, 313, 113523.	4.9	34
59	When sonochemistry meets heterogeneous photocatalysis: designing a sonophotoreactor towards sustainable selective oxidation. <i>Green Chemistry</i> , 2020, 22, 4896-4905.	9.0	34
60	Design and development of TiO ₂ coated microflow reactor for photocatalytic partial oxidation of benzyl alcohol. <i>Molecular Catalysis</i> , 2020, 486, 110884.	2.0	17
61	Engaging nanoporous carbons in "beyond adsorption" applications: Characterization, challenges and performance. <i>Carbon</i> , 2020, 164, 69-84.	10.3	41
62	Photocatalytic Platforms for Removal of Ammonia from Gaseous and Aqueous Matrixes: Status and Challenges. <i>ACS Catalysis</i> , 2020, 10, 8683-8716.	11.2	48
63	Carbonaceous material obtained from bark biomass as adsorbent of phenolic compounds from aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103784.	6.7	21
64	Pyridine-, thiol- and amine-functionalized mesoporous silicas for adsorptive removal of pharmaceuticals. <i>Microporous and Mesoporous Materials</i> , 2020, 299, 110132.	4.4	48
65	Novel Approaches Utilizing Metal-Organic Framework Composites for the Extraction of Organic Compounds and Metal Traces from Fish and Seafood. <i>Molecules</i> , 2020, 25, 513.	3.8	31
66	ZnFe ₂ O ₄ /activated carbon as a regenerable adsorbent for catalytic removal of H ₂ S from air at room temperature. <i>Chemical Engineering Journal</i> , 2020, 394, 124906.	12.7	86
67	Application of <i>Fusarium</i> sp. immobilized on multi-walled carbon nanotubes for solid-phase extraction and trace analysis of heavy metal cations. <i>Food Chemistry</i> , 2020, 322, 126757.	8.2	16
68	Tailoring Surface Chemistry of Sugar-Derived Ordered Mesoporous Carbons towards Efficient Removal of Diclofenac from Aquatic Environments. <i>Materials</i> , 2020, 13, 1625.	2.9	16
69	Detoxification of mustard gas surrogate on ZnO ₂ /g-C ₃ N ₄ composites: Effect of surface features TM synergy and day-night photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 119038.	20.2	39
70	Ultrasound-activated TiO ₂ /GO-based bifunctional photoreactive adsorbents for detoxification of chemical warfare agent surrogate vapors. <i>Chemical Engineering Journal</i> , 2020, 395, 125099.	12.7	54
71	A Novel Nanocomposite of Activated Serpentine Mineral Decorated with Magnetic Nanoparticles for Rapid and Effective Adsorption of Hazardous Cationic Dyes: Kinetics and Equilibrium Studies. <i>Nanomaterials</i> , 2020, 10, 684.	4.1	28
72	A novel multifunctional adsorbent of pomegranate peel extract and activated anthracite for Mn(VII) and Cr(VI) uptake from solutions: Experiments and theoretical treatment. <i>Journal of Molecular Liquids</i> , 2020, 311, 113169.	4.9	20

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73	TiO ₂ /S-Doped Carbons Hybrids: Analysis of Their Interfacial and Surface Features. <i>Molecules</i> , 2019, 24, 3585.	3.8	8
74	Agricultural biomass/waste as adsorbents for toxic metal decontamination of aqueous solutions. <i>Journal of Molecular Liquids</i> , 2019, 295, 111684.	4.9	131
75	Insight into the Mechanism of Oxygen Reduction Reaction on Micro/Mesoporous Carbons: Ultramicropores versus Nitrogen-Containing Catalytic Centers in Ordered Pore Structure. <i>ACS Applied Energy Materials</i> , 2019, 2, 7412-7424.	5.1	32
76	Effect of 1-(3-phenoxypropyl) pyridazin-1-ium bromide on steel corrosion inhibition in acidic medium. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 418-424.	9.4	97
77	Analysis of interactions of mustard gas surrogate vapors with porous carbon textiles. <i>Chemical Engineering Journal</i> , 2019, 362, 758-766.	12.7	45
78	Additive-free photo-assisted selective partial oxidation at ambient conditions of 5-hydroxymethylfurfural by manganese (IV) oxide nanorods. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117803.	20.2	74
79	Graphite Oxide Nanocomposites for Air Stream Desulfurization. , 2019, , 1-24.		4
80	Evaluation of nitrogen- and sulfur-doped porous carbon textiles as electrode materials for flexible supercapacitors. <i>Electrochimica Acta</i> , 2019, 305, 125-136.	5.2	31
81	Extraction of Metal Ions with Metal-Organic Frameworks. <i>Molecules</i> , 2019, 24, 4605.	3.8	56
82	Catalytic oxidative desulfurization of a 4,6-DMDBT containing model fuel by metal-free activated carbons: the key role of surface chemistry. <i>Green Chemistry</i> , 2019, 21, 6685-6698.	9.0	49
83	Ultramicropore-influenced mechanism of oxygen electroreduction on metal-free carbon catalysts. <i>Journal of Materials Chemistry A</i> , 2019, 7, 27110-27123.	10.3	27
84	Metal Organic Frameworks as Desulfurization Adsorbents of DBT and 4,6-DMDBT from Fuels. <i>Molecules</i> , 2019, 24, 4525.	3.8	61
85	Building MOF Nanocomposites with Oxidized Graphitic Carbon Nitride Nanospheres: The Effect of Framework Geometry on the Structural Heterogeneity. <i>Molecules</i> , 2019, 24, 4529.	3.8	14
86	Degradation of endocrine disruptor, bisphenol-A, on an mixed oxidation state manganese oxide/modified graphite oxide composite: A role of carbonaceous phase. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 516-524.	9.4	39
87	Fingerprint imaging using N-doped carbon dots. <i>Carbon</i> , 2019, 144, 791-797.	10.3	64
88	Oxygen Electroreduction on Nanoporous Carbons: Textural Features vs Nitrogen and Boron Catalytic Centers. <i>ChemCatChem</i> , 2019, 11, 851-860.	3.7	28
89	Removal of heavy metals by leaves-derived biosorbents. <i>Environmental Chemistry Letters</i> , 2019, 17, 755-766.	16.2	59
90	Nitrogen-containing activated carbon of improved electrochemical performance derived from cotton stalks using indirect chemical activation. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 285-294.	9.4	24

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91	Polyoxometalate hybrid catalyst for detection and photodecomposition of mustard gas surrogate vapors. <i>Applied Surface Science</i> , 2019, 467-468, 428-438.	6.1	25
92	A New Generation of Surface Active Carbon Textiles As Reactive Adsorbents of Indoor Formaldehyde. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8066-8076.	8.0	60
93	S- and N-doped carbon quantum dots: Surface chemistry dependent antibacterial activity. <i>Carbon</i> , 2018, 135, 104-111.	10.3	244
94	Path Towards Future Research. , 2018, , 125-144.		0
95	Irreversible water mediated transformation of BCN from a 3D highly porous form to its nonporous hydrolyzed counterpart. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3510-3521.	10.3	35
96	Zinc peroxide nanoparticles: Surface, chemical and optical properties and the effect of thermal treatment on the detoxification of mustard gas. <i>Applied Catalysis B: Environmental</i> , 2018, 226, 429-440.	20.2	51
97	Detoxification of Chemical Warfare Agents. , 2018, , .		17
98	Chemical Warfare Agents (CWAs). , 2018, , 1-3.		0
99	Aloe vera waste biomass-based adsorbents for the removal of aquatic pollutants: A review. <i>Journal of Environmental Management</i> , 2018, 227, 354-364.	7.8	110
100	Leaf Biosorbents for the Removal of Heavy Metals. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 87-126.	0.5	2
101	Carbon Quantum Dot Surface-Chemistry-Dependent Ag Release Governs the High Antibacterial Activity of Ag-Metal-Organic Framework Composites. <i>ACS Applied Bio Materials</i> , 2018, 1, 693-707.	4.6	80
102	Origin and Perspectives of the Photochemical Activity of Nanoporous Carbons. <i>Advanced Science</i> , 2018, 5, 1800293.	11.2	45
103	Barium titanate perovskite nanoparticles as a photoreactive medium for chemical warfare agent detoxification. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 233-244.	9.4	37
104	Role of sulfur and nitrogen surface groups in adsorption of formaldehyde on nanoporous carbons. <i>Carbon</i> , 2018, 138, 283-291.	10.3	74
105	Role of Heteroatoms in S,N-Codoped Nanoporous Carbon Materials in CO ₂ (Photo)electrochemical Reduction. <i>ChemSusChem</i> , 2018, 11, 2987-2999.	6.8	22
106	New Approaches in the Detoxification of CWAs. , 2018, , 37-123.		1
107	Current Protection Against CWAs. , 2018, , 33-36.		0
108	Mixed CuFe and ZnFe (hydr)oxides as reactive adsorbents of chemical warfare agent surrogates. <i>Journal of Hazardous Materials</i> , 2017, 329, 141-149.	12.4	25

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109	Ferrihydrite deposited on cotton textiles as protection media against the chemical warfare agent surrogate (2-chloroethyl ethyl sulfide). <i>Journal of Materials Chemistry A</i> , 2017, 5, 4972-4981.	10.3	29
110	Effective impregnation for the preparation of magnetic mesoporous carbon: application to dye adsorption. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1899-1911.	3.2	39
111	Porous carbon modified with sulfur in energy related applications. <i>Carbon</i> , 2017, 118, 561-577.	10.3	77
112	Adsorption of methylene blue on cashew nut shell based carbons activated with zinc chloride: The role of surface and structural parameters. <i>Journal of Molecular Liquids</i> , 2017, 229, 465-471.	4.9	191
113	Highly luminescent S-doped carbon dots for the selective detection of ammonia. <i>Carbon</i> , 2017, 114, 544-556.	10.3	54
114	Combined Effect of Porosity and Surface Chemistry on the Electrochemical Reduction of Oxygen on Cellular Vitreous Carbon Foam Catalyst. <i>ACS Catalysis</i> , 2017, 7, 7466-7478.	11.2	42
115	Mustard Gas Surrogate Interactions with Modified Porous Carbon Fabrics: Effect of Oxidative Treatment. <i>Langmuir</i> , 2017, 33, 11475-11483.	3.5	30
116	Carbon Textiles Modified with Copper-Based Reactive Adsorbents as Efficient Media for Detoxification of Chemical Warfare Agents. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26965-26973.	8.0	26
117	Smart textiles of MOF/g-C ₃ N ₄ nanospheres for the rapid detection/detoxification of chemical warfare agents. <i>Nanoscale Horizons</i> , 2017, 2, 356-364.	8.0	105
118	Photosensitivity of g-C ₃ N ₄ /S-doped carbon composites: study of surface stability upon exposure to CO ₂ and/or water in ambient light. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24880-24891.	10.3	17
119	Oxidized g-C ₃ N ₄ Nanospheres as Catalytically Photoactive Linkers in MOF/g-C ₃ N ₄ Composite of Hierarchical Pore Structure. <i>Small</i> , 2017, 13, 1601758.	10.0	109
120	The Role of Carbon on Copper-Carbon Composites for the Electrooxidation of Alcohols in an Alkaline Medium. <i>Journal of Carbon Research</i> , 2017, 3, 36.	2.7	5
121	Efficient Air Desulfurization Catalysts Derived from Pig Manure Liquefaction Char. <i>Journal of Carbon Research</i> , 2017, 3, 37.	2.7	5
122	Nitrogen enrichment of S-doped nanoporous carbon by g-C ₃ N ₄ : Insight into photosensitivity enhancement. <i>Carbon</i> , 2016, 107, 895-906.	10.3	28
123	Electrochemical Reduction of Oxygen on Hydrophobic Ultramicroporous PolyHIPE Carbon. <i>ACS Catalysis</i> , 2016, 6, 5618-5628.	11.2	67
124	Metal-free Nanoporous Carbon as a Catalyst for Electrochemical Reduction of CO ₂ to CO and CH ₄ . <i>ChemSusChem</i> , 2016, 9, 606-616.	6.8	149
125	Photoactivity of g-C ₃ N ₄ /S-Doped Porous Carbon Composite: Synergistic Effect of Composite Formation. <i>ChemSusChem</i> , 2016, 9, 795-799.	6.8	55
126	Effect of Ag containing (nano)particles on reactive adsorption of mustard gas surrogate on iron oxyhydroxide/graphite oxide composites under visible light irradiation. <i>Chemical Engineering Journal</i> , 2016, 303, 123-136.	12.7	23

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127	Nanoporous Carbons: Looking Beyond Their Perception as Adsorbents, Catalyst Supports and Supercapacitors. <i>Chemical Record</i> , 2016, 16, 205-218.	5.8	22
128	Reactive removal of 2-chloroethyl ethyl sulfide vapors under visible light irradiation by cerium oxide modified highly porous zirconium (hydr) oxide. <i>Applied Surface Science</i> , 2016, 390, 735-743.	6.1	11
129	Highly Efficient Air Desulfurization on Self-Assembled Bundles of Copper Hydroxide Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31986-31994.	8.0	31
130	Mesoporous Graphitic Carbon Nitride-Based Nanospheres as Visible-Light Active Chemical Warfare Agents Decontaminant. <i>ChemNanoMat</i> , 2016, 2, 268-272.	2.8	42
131	Reactive adsorption of mustard gas surrogate on zirconium (hydr)oxide/graphite oxide composites: the role of surface and chemical features. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1008-1019.	10.3	57
132	Moisture insensitive adsorption of ammonia on resorcinol-formaldehyde resins. <i>Journal of Hazardous Materials</i> , 2016, 305, 96-104.	12.4	18
133	Effect of GO phase in Zn(OH) ₂ /GO composite on the extent of photocatalytic reactive adsorption of mustard gas surrogate. <i>Applied Catalysis B: Environmental</i> , 2016, 183, 37-46.	20.2	47
134	Multi-parametric adsorption effects of the reactive dye removal with commercial activated carbons. <i>Journal of Molecular Liquids</i> , 2016, 213, 381-389.	4.9	91
135	Peculiar Properties of Mesoporous Synthetic Carbon/Graphene Phase Composites and their Effect on Supercapacitive Performance. <i>ChemSusChem</i> , 2015, 8, 1955-1965.	6.8	10
136	Sulfur-Doped Carbon Aerogel as a Metal-Free Oxygen Reduction Catalyst. <i>ChemCatChem</i> , 2015, 7, 2924-2931.	3.7	50
137	Copper Hydroxyl Nitrate/Graphite Oxide Composite as Superoxidant for the Decomposition/Mineralization of Organophosphate-Based Chemical Warfare Agent Surrogate. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500215.	3.7	30
138	Enhanced reactive adsorption of H ₂ S on Cu-BTC/ S- and N-doped GO composites. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8194-8204.	10.3	63
139	Carbon phase-graphite oxide composites based on solid state interactions between the components: Importance of surface chemistry and microstructure. <i>Carbon</i> , 2015, 95, 580-588.	10.3	8
140	Time-resolved fluorescence and ultrafast energy transfer in a zinc (hydr)oxide-graphite oxide mesoporous composite. <i>Journal of Photonics for Energy</i> , 2015, 5, 053084.	1.3	1
141	Activated carbon-based gas sensors: effects of surface features on the sensing mechanism. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3821-3831.	10.3	87
142	Role of Surface Chemistry and Morphology in the Reactive Adsorption of H ₂ S on Iron (Hydr)Oxide/Graphite Oxide Composites. <i>Langmuir</i> , 2015, 31, 2730-2742.	3.5	50
143	Removal of hydrogen sulfide at ambient conditions on cadmium/GO-based composite adsorbents. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 573-581.	9.4	24
144	Cu-BTC MOF-graphene-based hybrid materials as low concentration ammonia sensors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11417-11429.	10.3	155

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145	Key role of terminal hydroxyl groups and visible light in the reactive adsorption/catalytic conversion of mustard gas surrogate on zinc (hydr)oxides. <i>Applied Catalysis B: Environmental</i> , 2015, 174-175, 96-104.	20.2	43
146	Reactive adsorption of CEES on iron oxyhydroxide/(N-)graphite oxide composites under visible light exposure. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17080-17090.	10.3	26
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