

Teresa Bandosz

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

418 papers	22,750 citations	80 h-index	126 g-index
427 ext. papers	24,716 ext. citations	8.3 avg, IF	7.56 L-index

#	Paper	IF	Citations
4 ¹⁸	Effect of amine type on acidic toxic gas adsorption at ambient conditions on modified CuBTC. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 107261	6.8	0
4 ¹⁷	Oxygen adsorption in pores promotes its reduction on metal-free carbon catalysts: A case of carbon blacks. <i>Carbon</i> , 2022 , 189, 230-239	10.4	1
4 ¹⁶	Complexity of Biosolid-Derived Electrocatalysts Grants Their Excellent Performance in Oxygen Reduction Reaction. <i>ACS Applied Energy Materials</i> , 2022 , 5, 3514-3524	6.1	
4 ¹⁵	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	5	0
4 ¹⁴	Revealing the impact of small pores on oxygen reduction on carbon electrocatalysts: A journey through recent findings. <i>Carbon</i> , 2021 , 188, 289-289	10.4	1
4 ¹³	Alternative view of oxygen reduction on porous carbon electrocatalysts: the substance of complex oxygen-surface interactions. <i>IScience</i> , 2021 , 24, 102216	6.1	6
4 ¹²	Chemically heterogeneous carbon dots enhanced cholesterol detection by MALDI TOF mass spectrometry. <i>Journal of Colloid and Interface Science</i> , 2021 , 591, 373-383	9.3	7
4 ¹¹	FeNi doped porous carbon as an efficient catalyst for oxygen evolution reaction. <i>Frontiers of Chemical Science and Engineering</i> , 2021 , 15, 279-287	4.5	12
4 ¹⁰	Boosting the Photoactivity of Grafted Titania: Ultrasound-Driven Synthesis of a Multi-Phase Heterogeneous Nano-Architected Photocatalyst. <i>Advanced Functional Materials</i> , 2021 , 31, 2007115	15.6	12
4 ⁰⁹	Inorganic matter in rice husk derived carbon and its effect on the capacitive performance. <i>Journal of Energy Chemistry</i> , 2021 , 57, 639-649	12	3
4 ⁰⁸	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	9.3	4
4 ⁰⁷	Porous Carbons as Oxygen Reduction Electrocatalysts. <i>Engineering Materials</i> , 2021 , 41-77	0.4	
4 ⁰⁶	Exploring the Aspect of Carbon Nanopores. <i>Nanomaterials</i> , 2021 , 11,	5.4	7
4 ⁰⁵	Scrolled titanate nanosheet composites with reduced graphite oxide for photocatalytic and adsorptive removal of toxic vapors. <i>Chemical Engineering Journal</i> , 2021 , 415, 128907	14.7	8
4 ⁰⁴	Exploring the effect of surface chemistry in carbon nanopores on melting behavior of water. <i>Carbon</i> , 2021 , 185, 252-263	10.4	1
4 ⁰³	The effect of ZnFe ₂ O ₄ /activated carbon adsorbent photocatalytic activity on gas-phase desulfurization. <i>Chemical Engineering Journal</i> , 2021 , 423, 130255	14.7	4
4 ⁰²	Analyzing the effect of nitrogen/sulfur groups density ratio in porous carbons on the efficiency of CO ₂ electrochemical reduction. <i>Applied Surface Science</i> , 2021 , 569, 151066	6.7	1

401	Ni-doped hierarchical porous carbon with a p/n-junction promotes electrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 17493-17503	6.7	4
400	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	4.6	6
399	Engaging nanoporous carbons in Beyond adsorption applications: Characterization, challenges and performance. <i>Carbon</i> , 2020 , 164, 69-84	10.4	24
398	Surfactant-modified biosolid-derived materials as efficient H ₂ S removal media: Synergistic effects of carbon phase properties and inorganic phase chemistry on reactive adsorption. <i>Chemical Engineering Journal</i> , 2020 , 401, 125986	14.7	3
397	Bifunctional ZnO-MgO/activated carbon adsorbents boost H ₂ S room temperature adsorption and catalytic oxidation. <i>Applied Catalysis B: Environmental</i> , 2020 , 266, 118674	21.8	51
396	Activated carbon with heteroatoms from organic salt for hydrogen evolution reaction. <i>Microporous and Mesoporous Materials</i> , 2020 , 297, 110033	5.3	2
395	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	14.7	28
394	Detoxification of mustard gas surrogate on ZnO ₂ /g-C ₃ N ₄ composites: Effect of surface features synergy and day-night photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2020 , 272, 119038	21.8	23
393	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	14.7	32
392	Engineering heterostructured Ni@Ni(OH) ₂ core-shell nanomaterials for synergistically enhanced water electrolysis. <i>Green Energy and Environment</i> , 2020 ,	5.7	3
391	Nanoporous carbon materials: from char to sophisticated 3-D graphene-like structures 2020 , 45-64		1
390	Defectuous UiO-66 MOF Nanocomposites as Reactive Media of Superior Protection against Toxic Vapors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14678-14689	9.5	25
389	Exploring the options for the improvement of H ₂ S adsorption on sludge derived adsorbents: Building the composite with porous carbons. <i>Journal of Cleaner Production</i> , 2020 , 249, 119412	10.3	15
388	Support features govern the properties of the active phase and the performance of bifunctional ZnFe ₂ O ₄ -based H ₂ S adsorbents. <i>Carbon</i> , 2020 , 169, 327-337	10.4	6
387	Enhancing the gas adsorption capacities of UiO-66 by nanographite addition. <i>Microporous and Mesoporous Materials</i> , 2020 , 309, 110571	5.3	4
386	Pyrolyzed biosolid surface features promote a highly efficient oxygen reduction reaction. <i>Green Chemistry</i> , 2020 , 22, 7858-7870	10	6
385	Composite porous carbon textile with deposited barium titanate nanospheres as wearable protection medium against toxic vapors. <i>Chemical Engineering Journal</i> , 2020 , 384, 123280	14.7	17
384	Solar light-driven photocatalytic degradation of phenol on S-doped nanoporous carbons: The role of functional groups in governing activity and selectivity. <i>Carbon</i> , 2020 , 156, 10-23	10.4	27

383	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	6.1	18
382	Analysis of interactions of mustard gas surrogate vapors with porous carbon textiles. <i>Chemical Engineering Journal</i> , 2019 , 362, 758-766	14.7	29
381	Combination of alkalinity and porosity enhances formaldehyde adsorption on pig manure -derived composite adsorbents. <i>Microporous and Mesoporous Materials</i> , 2019 , 286, 155-162	5.3	14
380	Graphite Oxide Nanocomposites for Air Stream Desulfurization 2019 , 1-24		3
379	Magnetic soot: Surface properties and application to remove oil contamination from water. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103074	6.8	12
378	Evaluation of nitrogen- and sulfur-doped porous carbon textiles as electrode materials for flexible supercapacitors. <i>Electrochimica Acta</i> , 2019 , 305, 125-136	6.7	17
377	TiO/S-Doped Carbons Hybrids: Analysis of Their Interfacial and Surface Features. <i>Molecules</i> , 2019 , 24,	4.8	7
376	Exploring resistance changes of porous carbon upon physical adsorption of VOCs. <i>Carbon</i> , 2019 , 146, 568-571	10.4	12
375	Ultramicropore-influenced mechanism of oxygen electroreduction on metal-free carbon catalysts. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 27110-27123	13	18
374	Building MOF Nanocomposites with Oxidized Graphitic Carbon Nitride Nanospheres: The Effect of Framework Geometry on the Structural Heterogeneity. <i>Molecules</i> , 2019 , 24,	4.8	10
373	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	9.3	31
372	Fingerprint imaging using N-doped carbon dots. <i>Carbon</i> , 2019 , 144, 791-797	10.4	39
371	Oxygen Electroreduction on Nanoporous Carbons: Textural Features vs Nitrogen and Boron Catalytic Centers. <i>ChemCatChem</i> , 2019 , 11, 851-860	5.2	20
370	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	21.4	14
369	Polyoxometalate hybrid catalyst for detection and photodecomposition of mustard gas surrogate vapors. <i>Applied Surface Science</i> , 2019 , 467-468, 428-438	6.7	19
368	A New Generation of Surface Active Carbon Textiles As Reactive Adsorbents of Indoor Formaldehyde. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8066-8076	9.5	37
367	Chemically heterogeneous nitrogen sites of various reactivity in porous carbons provide high stability of CO ₂ electroreduction catalysts. <i>Applied Catalysis B: Environmental</i> , 2018 , 234, 1-9	21.8	27
366	S- and N-doped carbon quantum dots: Surface chemistry dependent antibacterial activity. <i>Carbon</i> , 2018 , 135, 104-111	10.4	152

365	CaTiO ₃ perovskite in the framework of activated carbon and its effect on enhanced electrochemical capacitance. <i>Electrochimica Acta</i> , 2018 , 268, 73-81	6.7	21
364	Exploring the effects of surface chemistry on photosensitivity and stability of modified porous carbon textiles. <i>Carbon</i> , 2018 , 131, 1-9	10.4	5
363	Path Towards Future Research 2018 , 125-144		
362	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	13	27
361	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	21.8	40
360	Detoxification of Chemical Warfare Agents 2018 ,		11
359	Exploring the effect of ultramicropore distribution on gravimetric capacitance of nanoporous carbons. <i>Electrochimica Acta</i> , 2018 , 275, 236-247	6.7	23
358	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	4.1	37
357	Origin and Perspectives of the Photochemical Activity of Nanoporous Carbons. <i>Advanced Science</i> , 2018 , 5, 1800293	13.6	37
356	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	9.3	31
355	Removal of formaldehyde on carbon -based materials: A review of the recent approaches and findings. <i>Carbon</i> , 2018 , 137, 207-221	10.4	72
354	Role of sulfur and nitrogen surface groups in adsorption of formaldehyde on nanoporous carbons. <i>Carbon</i> , 2018 , 138, 283-291	10.4	46
353	Role of Heteroatoms in S,N-Codoped Nanoporous Carbon Materials in CO (Photo)electrochemical Reduction. <i>ChemSusChem</i> , 2018 , 11, 2987-2999	8.3	17
352	New Approaches in the Detoxification of CWAs 2018 , 37-123		0
351	Current Protection Against CWAs 2018 , 33-36		
350	Electrodeposited P Co nanoparticles in deep eutectic solvents and their performance in water splitting. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 10448-10457	6.7	9
349	Mixed CuFe and ZnFe (hydr)oxides as reactive adsorbents of chemical warfare agent surrogates. <i>Journal of Hazardous Materials</i> , 2017 , 329, 141-149	12.8	22
348	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	13	24

- 347 N-doped polymeric resin-derived porous carbons as efficient ammonia removal and detection media. *Carbon*, **2017**, 117, 228-239 10.4 31
- 346 Pyridinic-N groups and ultramicropore nanoreactors enhance CO₂ electrochemical reduction on porous carbon catalysts. *Applied Catalysis B: Environmental*, **2017**, 207, 195-206 21.8 67
- 345 Alterations in the surface features of S-doped carbon and g-C₃N₄ photocatalysts in the presence of CO₂ and water upon visible light exposure. *Journal of Materials Chemistry A*, **2017**, 5, 16315-16325 13 22
- 344 Nanoporous carbon-composites as gas sensors: Importance of the specific adsorption forces for ammonia sensing mechanism. *Carbon*, **2017**, 121, 114-126 10.4 23
- 343 Porous carbon modified with sulfur in energy related applications. *Carbon*, **2017**, 118, 561-577 10.4 61
- 342 Toxic gas sensing on nanoporous carbons. *Adsorption*, **2017**, 23, 271-280 2.6 2
- 341 Highly luminescent S-doped carbon dots for the selective detection of ammonia. *Carbon*, **2017**, 114, 544-556 10.4 42
- 340 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
- 339 Mustard Gas Surrogate Interactions with Modified Porous Carbon Fabrics: Effect of Oxidative Treatment. *Langmuir*, **2017**, 33, 11475-11483 4 22
- 338 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
- 337 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
- 336 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
- 335 Carbon dots coated with vitamin B12 as selective ratiometric nanosensor for phenolic carbofuran. *Sensors and Actuators B: Chemical*, **2017**, 239, 553-561 8.5 38
- 334 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
- 333 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
- 332 Efficient Air Desulfurization Catalysts Derived from Pig Manure Liquefaction Char. *Journal of Carbon Research*, **2017**, 3, 37 3.3 3
- 331 Beyond Adsorption: The Effect of Sulfur Doping on Emerging Applications of Nanoporous Carbons. *Eurasian Chemico-Technological Journal*, **2017**, 18, 233 0.8
- 330 Analysis of sulfamethoxazole and trimethoprim adsorption on sewage sludge and fish waste derived adsorbents. *Microporous and Mesoporous Materials*, **2016**, 220, 58-72 5.3 42

329	Oxygen reduction on chemically heterogeneous iron-containing nanoporous carbon: The effects of specific surface functionalities. <i>Microporous and Mesoporous Materials</i> , 2016 , 221, 137-149	5.3	12
328	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	6.7	10
327	Highly Efficient Air Desulfurization on Self-Assembled Bundles of Copper Hydroxide Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 31986-31994	9.5	28
326	Alterations of S-doped porous carbon-rGO composites surface features upon CO ₂ adsorption at ambient conditions. <i>Carbon</i> , 2016 , 107, 501-509	10.4	23
325	Mesoporous Graphitic Carbon Nitride-Based Nanospheres as Visible-Light Active Chemical Warfare Agents Decontaminant. <i>ChemNanoMat</i> , 2016 , 2, 268-272	3.5	35
324	S-doped carbon aerogels/GO composites as oxygen reduction catalysts. <i>Journal of Energy Chemistry</i> , 2016 , 25, 236-245	12	42
323	Analysis of the competitive adsorption of pharmaceuticals on waste derived materials. <i>Chemical Engineering Journal</i> , 2016 , 287, 139-147	14.7	30
322	Nitrogen-Doped Activated Carbon-Based Ammonia Sensors: Effect of Specific Surface Functional Groups on Carbon Electronic Properties. <i>ACS Sensors</i> , 2016 , 1, 591-599	9.2	39
321	Sensing of NH ₃ on heterogeneous nanoporous carbons in the presence of humidity. <i>Carbon</i> , 2016 , 100, 64-73	10.4	31
320	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	13	49
319	Moisture insensitive adsorption of ammonia on resorcinol-formaldehyde resins. <i>Journal of Hazardous Materials</i> , 2016 , 305, 96-104	12.8	14
318	Insight into ammonia sensing on heterogeneous S- and N- co-doped nanoporous carbons. <i>Carbon</i> , 2016 , 96, 1014-1021	10.4	34
317	Evaluation of CO ₂ interactions with S-doped nanoporous carbon and its composites with a reduced GO: Effect of surface features on an apparent physical adsorption mechanism. <i>Carbon</i> , 2016 , 98, 250-258	10.4	38
316	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	21.8	45
315	Evidence for CO ₂ reactive adsorption on nanoporous S- and N-doped carbon at ambient conditions. <i>Carbon</i> , 2016 , 96, 856-863	10.4	63
314	Nitrogen enrichment of S-doped nanoporous carbon by g-C ₃ N ₄ : Insight into photosensitivity enhancement. <i>Carbon</i> , 2016 , 107, 895-906	10.4	26
313	Electrochemical Reduction of Oxygen on Hydrophobic Ultramicroporous PolyHIPE Carbon. <i>ACS Catalysis</i> , 2016 , 6, 5618-5628	13.1	48
312	Metal-free Nanoporous Carbon as a Catalyst for Electrochemical Reduction of CO ₂ to CO and CH ₄ . <i>ChemSusChem</i> , 2016 , 9, 606-16	8.3	120

311	Photoactivity of g-C ₃ N ₄ /S-Doped Porous Carbon Composite: Synergistic Effect of Composite Formation. <i>ChemSusChem</i> , 2016 , 9, 795-9	8.3	39
310	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	14.7	23
309	Sulfur-mediated photochemical energy harvesting in nanoporous carbons. <i>Carbon</i> , 2016 , 104, 253-259	10.4	18
308	Carbon dots as fluorescent sensor for detection of explosive nitrocompounds. <i>Carbon</i> , 2016 , 106, 171-178	10.4	93
307	Nanoporous Carbons: Looking Beyond Their Perception as Adsorbents, Catalyst Supports and Supercapacitors. <i>Chemical Record</i> , 2016 , 16, 205-18	6.6	19
306	Removal of hydrogen sulfide at ambient conditions on cadmium/GO-based composite adsorbents. <i>Journal of Colloid and Interface Science</i> , 2015 , 448, 573-81	9.3	19
305	CuBTC MOF/graphene-based hybrid materials as low concentration ammonia sensors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11417-11429	13	120
304	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	21.8	37
303	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	13	20
302	Effect of nanoporous carbon surface chemistry on the removal of endocrine disruptors from water phase. <i>Journal of Colloid and Interface Science</i> , 2015 , 449, 180-91	9.3	33
301	Effects of surface heterogeneity of cobalt oxyhydroxide/graphite oxide composites on reactive adsorption of hydrogen sulfide. <i>Microporous and Mesoporous Materials</i> , 2015 , 204, 8-14	5.3	26
300	Visible light enhanced removal of a sulfur mustard gas surrogate from a vapor phase on novel hydrous ferric oxide/graphite oxide composites. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 220-231	13	40
299	Comparison of melamine resin and melamine network as precursors for carbon electrodes. <i>Carbon</i> , 2015 , 81, 239-250	10.4	27
298	Spent Coffee-Based Activated Carbons 2015 , 311-317		1
297	Engineering the surface of a new class of adsorbents: metal-organic framework/graphite oxide composites. <i>Journal of Colloid and Interface Science</i> , 2015 , 447, 139-51	9.3	84
296	New copper/GO based material as an efficient oxygen reduction catalyst in an alkaline medium: The role of unique Cu/rGO architecture. <i>Applied Catalysis B: Environmental</i> , 2015 , 163, 424-435	21.8	64
295	Peculiar Properties of Mesoporous Synthetic Carbon/Graphene Phase Composites and their Effect on Supercapacitive Performance. <i>ChemSusChem</i> , 2015 , 8, 1955-65	8.3	10
294	Sulfur-Doped Carbon Aerogel as a Metal-Free Oxygen Reduction Catalyst. <i>ChemCatChem</i> , 2015 , 7, 2924-2931	23.1	41

293	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	4.6	27
292	Enhanced reactive adsorption of H ₂ S on CuBTC/ S- and N-doped GO composites. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8194-8204	13	48
291	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	10.4	7
290	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	1.2	1
289	Reactive adsorption of pharmaceuticals on tin oxide pillared montmorillonite: Effect of visible light exposure. <i>Chemical Engineering Journal</i> , 2015 , 259, 865-875	14.7	25
288	Robust graphene-based monoliths of homogeneous ultramicroporosity. <i>Carbon</i> , 2015 , 87, 87-97	10.4	9
287	Effect of chemical heterogeneity on photoluminescence of graphite oxide treated with S-/N-containing modifiers. <i>Applied Surface Science</i> , 2015 , 332, 272-280	6.7	15
286	Activated carbon-based gas sensors: effects of surface features on the sensing mechanism. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3821-3831	13	64
285	Role of surface chemistry and morphology in the reactive adsorption of H ₂ on iron (hydr)oxide/graphite oxide composites. <i>Langmuir</i> , 2015 , 31, 2730-42	4	41
284	Adsorption of carbamazepine on sludge/fish waste derived adsorbents: Effect of surface chemistry and texture. <i>Chemical Engineering Journal</i> , 2015 , 267, 170-181	14.7	39
283	Insight into the mechanism of CO ₂ adsorption on CuBTC and its composites with graphite oxide or aminated graphite oxide. <i>Chemical Engineering Journal</i> , 2014 , 239, 399-407	14.7	52
282	Hybrid solar cells of micro/mesoporous Zn(OH) ₂ and its graphite composites sensitized by CdSe quantum dots. <i>Journal of Photonics for Energy</i> , 2014 , 4, 043098	1.2	3
281	Effect of Visible-Light Exposure and Electrolyte Oxygen Content on the Capacitance of Sulfur-Doped Carbon. <i>ChemElectroChem</i> , 2014 , 1, 565-572	4.3	22
280	Effect of surface chemical and structural heterogeneity of copper-based MOF/graphite oxide composites on the adsorption of ammonia. <i>Journal of Colloid and Interface Science</i> , 2014 , 417, 109-14	9.3	42
279	Cu-BTC/aminated graphite oxide composites as high-efficiency CO ₂ capture media. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 101-8	9.5	67
278	Removal of dorzolamide from biomedical wastewaters with adsorption onto graphite oxide/poly(acrylic acid) grafted chitosan nanocomposite. <i>Bioresource Technology</i> , 2014 , 152, 399-406	11	96
277	Zinc (hydr)oxide/graphite oxide/AuNPs composites: role of surface features in H ₂ reactive adsorption. <i>Journal of Colloid and Interface Science</i> , 2014 , 436, 296-305	9.3	26
276	Carbon dots obtained using hydrothermal treatment of formaldehyde. Cell imaging in vitro. <i>Nanoscale</i> , 2014 , 6, 9071-7	7.7	71

275	Effect of visible light and electrode wetting on the capacitive performance of S- and N-doped nanoporous carbons: Importance of surface chemistry. <i>Carbon</i> , 2014 , 78, 540-558	10.4	34
274	Nanoporous carbons as gas sensors: Exploring the surface sensitivity. <i>Carbon</i> , 2014 , 80, 183-192	10.4	21
273	Luminescent carbon nanoparticles: effects of chemical functionalization, and evaluation of Ag ⁺ sensing properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8342	13	80
272	Carbon Coated Silica Doped With Cerium/Zirconium Mixed Oxides as NO ₂ Adsorbent at Ambient Conditions. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 8982-8992	3.8	4
271	Visible light driven photoelectrochemical water splitting on metal free nanoporous carbon promoted by chromophoric functional groups. <i>Carbon</i> , 2014 , 79, 432-441	10.4	41
270	The effects of activated carbon surface features on the reactive adsorption of carbamazepine and sulfamethoxazole. <i>Carbon</i> , 2014 , 80, 419-432	10.4	112
269	Confined space reduced graphite oxide doped with sulfur as metal-free oxygen reduction catalyst. <i>Carbon</i> , 2014 , 66, 227-233	10.4	50
268	Effect of the graphene phase presence in nanoporous S-doped carbon on photoactivity in UV and visible light. <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 842-850	21.8	22
267	Photoluminescence of nanoporous carbons: Opening a new application route for old materials. <i>Carbon</i> , 2014 , 77, 651-659	10.4	24
266	On the photoactivity of S-doped nanoporous carbons: Importance of surface chemistry and porosity. <i>Chinese Journal of Catalysis</i> , 2014 , 35, 807-814	11.3	10
265	Complexity of CO ₂ adsorption on nanoporous sulfur-doped carbons s surface chemistry an important factor?. <i>Carbon</i> , 2014 , 74, 207-217	10.4	82
264	The effects of fabrication temperature on current-voltage characteristics and energy efficiencies of quantum dot sensitized ZnOH-GO hybrid solar cells. <i>Journal of Applied Physics</i> , 2014 , 116, 173102	2.5	
263	New Cu _x Sy/nanoporous carbon composites as efficient oxygen reduction catalysts in alkaline medium. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20164-20176	13	31
262	Municipal waste conversion to hydrogen sulfide adsorbents: Investigation of the synergistic effects of sewage sludge/fish waste mixture. <i>Chemical Engineering Journal</i> , 2014 , 237, 88-94	14.7	34
261	Effect of amine modification on the properties of zirconium-carboxylic acid based materials and their applications as NO ₂ adsorbents at ambient conditions. <i>Microporous and Mesoporous Materials</i> , 2014 , 188, 149-162	5.3	29
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