

# Gregory W Peterson

## List of Publications by Year in descending order

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121  
papers

9,860  
citations

36271

51  
h-index

36008

97  
g-index

123  
all docs

123  
docs citations

123  
times ranked

8533  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Organic Frameworks for Air Purification of Toxic Chemicals. <i>Chemical Reviews</i> , 2014, 114, 5695-5727.	23.0	825
2	Destruction of chemical warfare agents using metal-organic frameworks. <i>Nature Materials</i> , 2015, 14, 512-516.	13.3	790
3	Stability and degradation mechanisms of metal-organic frameworks containing the Zr <sub>6</sub> O <sub>4</sub> (OH) <sub>4</sub> secondary building unit. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5642.	5.2	578
4	MOF-74 building unit has a direct impact on toxic gas adsorption. <i>Chemical Engineering Science</i> , 2011, 66, 163-170.	1.9	522
5	The effect of water adsorption on the structure of the carboxylate containing metal-organic frameworks Cu-BTC, Mg-MOF-74, and UiO-66. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11922.	5.2	466
6	Enhanced Stability of Cu-BTC MOF via Perfluorohexane Plasma-Enhanced Chemical Vapor Deposition. <i>Journal of the American Chemical Society</i> , 2012, 134, 1486-1489.	6.6	246
7	Ammonia Vapor Removal by Cu <sub>3</sub> (BTC) <sub>2</sub> and Its Characterization by MAS NMR. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13906-13917.	1.5	208
8	Evaluation of MOFs for air purification and air quality control applications: Ammonia removal from air. <i>Chemical Engineering Science</i> , 2015, 124, 118-124.	1.9	194
9	MOFfabric: Electrospun Nanofiber Mats from PVDF/UiO-66-NH <sub>2</sub> for Chemical Protection and Decontamination. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13632-13636.	4.0	187
10	Ultra-Fast Degradation of Chemical Warfare Agents Using MOF-Nanofiber Kebabs. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13224-13228.	7.2	179
11	Catalytic MOF-Cloth-Formed via Directed Supramolecular Assembly of UiO-66-NH <sub>2</sub> Crystals on Atomic Layer Deposition-Coated Textiles for Rapid Degradation of Chemical Warfare Agent Simulants. <i>Chemistry of Materials</i> , 2017, 29, 4894-4903.	3.2	177
12	Facile Conversion of Hydroxy Double Salts to Metal-Organic Frameworks Using Metal Oxide Particles and Atomic Layer Deposition Thin-Film Templates. <i>Journal of the American Chemical Society</i> , 2015, 137, 13756-13759.	6.6	174
13	UiO-66-NH <sub>2</sub> Metal-Organic Framework (MOF) Nucleation on TiO <sub>2</sub> , ZnO, and Al <sub>2</sub> O <sub>3</sub> Atomic Layer Deposition-Treated Polymer Fibers: Role of Metal Oxide on MOF Growth and Catalytic Hydrolysis of Chemical Warfare Agent Simulants. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44847-44855.	4.0	163
14	Extraordinary NO <sub>2</sub> Removal by the Metal-Organic Framework UiO-66-NH <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6235-6238.	7.2	160
15	Tailoring the Pore Size and Functionality of UiO-Type Metal-Organic Frameworks for Optimal Nerve Agent Destruction. <i>Inorganic Chemistry</i> , 2015, 54, 9684-9686.	1.9	157
16	Reactions of VX, GD, and HD with Zr(OH) <sub>4</sub> : Near Instantaneous Decontamination of VX. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11606-11614.	1.5	154
17	Scalable and Template-Free Aqueous Synthesis of Zirconium-Based Metal-Organic Framework Coating on Textile Fiber. <i>Journal of the American Chemical Society</i> , 2019, 141, 15626-15633.	6.6	148
18	Enhanced aging properties of HKUST-1 in hydrophobic mixed-matrix membranes for ammonia adsorption. <i>Chemical Science</i> , 2016, 7, 2711-2716.	3.7	145

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19	Effects of pelletization pressure on the physical and chemical properties of the metal-organic frameworks Cu <sub>3</sub> (BTC) <sub>2</sub> and UiO-66. <i>Microporous and Mesoporous Materials</i> , 2013, 179, 48-53.	2.2	139
20	Cerium(IV) vs Zirconium(IV) Based Metal-Organic Frameworks for Detoxification of a Nerve Agent. <i>Chemistry of Materials</i> , 2017, 29, 2672-2675.	3.2	135
21	Effective, Facile, and Selective Hydrolysis of the Chemical Warfare Agent VX Using Zr <sub>6</sub> -Based Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2015, 54, 10829-10833.	1.9	132
22	Fibre-based composites from the integration of metal-organic frameworks and polymers. <i>Nature Reviews Materials</i> , 2021, 6, 605-621.	23.8	128
23	Engineering UiO-66-NH <sub>2</sub> for Toxic Gas Removal. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 701-707.	1.8	127
24	Metal-Organic Frameworks for Oxygen Storage. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14092-14095.	7.2	106
25	Integration of Metal-Organic Frameworks on Protective Layers for Destruction of Nerve Agents under Relevant Conditions. <i>Journal of the American Chemical Society</i> , 2019, 141, 20016-20021.	6.6	106
26	Conformal and highly adsorptive metal-organic framework thin films via layer-by-layer growth on ALD-coated fiber mats. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1458-1464.	5.2	100
27	Chemical Warfare Agents Detoxification Properties of Zirconium Metal-Organic Frameworks by Synergistic Incorporation of Nucleophilic and Basic Sites. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 23967-23973.	4.0	100
28	Highly Adsorptive, MOF-Functionalized Nonwoven Fiber Mats for Hazardous Gas Capture Enabled by Atomic Layer Deposition. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400040.	1.9	99
29	Interactions of Ammonia with the Surface of Microporous Carbon Impregnated with Transition Metal Chlorides. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12705-12714.	1.5	96
30	Structural Diversity of Zirconium Metal-Organic Frameworks and Effect on Adsorption of Toxic Chemicals. <i>Journal of the American Chemical Society</i> , 2020, 142, 21428-21438.	6.6	95
31	Detoxification of Chemical Warfare Agents Using a Zr <sub>6</sub> -Based Metal-Organic Framework/Polymer Mixture. <i>Chemistry - A European Journal</i> , 2016, 22, 14864-14868.	1.7	93
32	Tuning the Morphology and Activity of Electrospun Polystyrene/UiO-66-NH <sub>2</sub> Metal-Organic Framework Composites to Enhance Chemical Warfare Agent Removal. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 32248-32254.	4.0	93
33	Protective Fabrics: Metal-Organic Framework Textiles for Rapid Photocatalytic Sulfur Mustard Simulant Detoxification. <i>Matter</i> , 2020, 2, 404-415.	5.0	92
34	Highly effective ammonia removal in a series of Brønsted acidic porous polymers: investigation of chemical and structural variations. <i>Chemical Science</i> , 2017, 8, 4399-4409.	3.7	89
35	Diffusion of CO <sub>2</sub> in Large Crystals of Cu-BTC MOF. <i>Journal of the American Chemical Society</i> , 2016, 138, 11449-11452.	6.6	84
36	Water-Stable Chemical-Protective Textiles via Euhedral Surface-Oriented 2D Cu <sup>II</sup> -TCPP Metal-Organic Frameworks. <i>Small</i> , 2019, 15, e1805133.	5.2	72

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37	Detoxification of chemical warfare agents by CuBTC. <i>Journal of Porous Materials</i> , 2014, 21, 121-126.	1.3	70
38	Optimizing Toxic Chemical Removal through Defect-Induced UiO-66-NH <sub>2</sub> Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2017, 23, 15913-15916.	1.7	70
39	Uncovering the Role of Metal-Organic Framework Topology on the Capture and Reactivity of Chemical Warfare Agents. <i>Chemistry of Materials</i> , 2020, 32, 4609-4617.	3.2	70
40	Direct Surface Growth Of UiO-66-NH <sub>2</sub> on Polyacrylonitrile Nanofibers for Efficient Toxic Chemical Removal. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 14502-14506.	1.8	69
41	Effect of Adsorbed Water and Surface Hydroxyls on the Hydrolysis of VX, GD, and HD on Titania Materials: The Development of Self-Decontaminating Paints. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 3598-3603.	1.8	68
42	Scalable, room temperature, and water-based synthesis of functionalized zirconium-based metal-organic frameworks for toxic chemical removal. <i>CrystEngComm</i> , 2019, 21, 2409-2415.	1.3	67
43	Removal of chlorine gas by an amine functionalized metal-organic framework via electrophilic aromatic substitution. <i>Chemical Communications</i> , 2015, 51, 12474-12477.	2.2	66
44	Environmental Effects on Zirconium Hydroxide Nanoparticles and Chemical Warfare Agent Decomposition: Implications of Atmospheric Water and Carbon Dioxide. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39747-39757.	4.0	64
45	Immobilized Regenerable Active Chlorine within a Zirconium-Based MOF Textile Composite to Eliminate Biological and Chemical Threats. <i>Journal of the American Chemical Society</i> , 2021, 143, 16777-16785.	6.6	64
46	The effect of oxidation on the surface chemistry of sulfur-containing carbons and their arsine adsorption capacity. <i>Carbon</i> , 2010, 48, 1779-1787.	5.4	62
47	Copper Benzenetricarboxylate Metal-Organic Framework Nucleation Mechanisms on Metal Oxide Powders and Thin Films formed by Atomic Layer Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9514-9522.	4.0	60
48	Ligand-Directed Reticular Synthesis of Catalytically Active Missing Zirconium-Based Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 12229-12235.	6.6	58
49	High-throughput screening of solid-state catalysts for nerve agent degradation. <i>Chemical Communications</i> , 2018, 54, 5768-5771.	2.2	55
50	Surface Chemistry and Morphology of Zirconia Polymorphs and the Influence on Sulfur Dioxide Removal. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9644-9650.	1.5	53
51	Ultra-Fast Degradation of Chemical Warfare Agents Using MOF-Nanofiber Kebabs. <i>Angewandte Chemie</i> , 2016, 128, 13418-13422.	1.6	50
52	Solid-Phase Detoxification of Chemical Warfare Agents using Zirconium-Based Metal Organic Frameworks and the Moisture Effects: Analyze via Digestion. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 21109-21116.	4.0	50
53	Near-instantaneous catalytic hydrolysis of organophosphorus nerve agents with zirconium-based MOF/hydrogel composites. <i>Chem Catalysis</i> , 2021, 1, 721-733.	2.9	49
54	Multifunctional Purification and Sensing of Toxic Hydride Gases by CuBTC Metal-Organic Framework. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 3626-3633.	1.8	48

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55	Zirconium Hydroxide as a Reactive Substrate for the Removal of Sulfur Dioxide. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 1694-1698.	1.8	46
56	Removal of Chlorine Gases from Streams of Air Using Reactive Zirconium Hydroxide Based Filtration Media. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 2675-2681.	1.8	42
57	Adsorption of Ammonia by Sulfuric Acid Treated Zirconium Hydroxide. <i>Langmuir</i> , 2012, 28, 10478-10487.	1.6	42
58	Enhanced Cyanogen Chloride Removal by the Reactive Zirconium Hydroxide Substrate. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 11182-11187.	1.8	41
59	Removal of airborne toxic chemicals by porous organic polymers containing metal-organic catecholates. <i>Chemical Communications</i> , 2013, 49, 2995.	2.2	39
60	Degradation and Detection of the Nerve Agent VX by a Chromophore-Functionalized Zirconium MOF. <i>Chemistry of Materials</i> , 2019, 31, 7417-7424.	3.2	39
61	Surface hydroxyl concentration on Zr(OH) <sub>4</sub> quantified by <sup>1</sup> H MAS NMR. <i>Chemical Physics Letters</i> , 2011, 511, 384-388.	1.2	38
62	Sulfur dioxide and nitrogen dioxide adsorption on zinc oxide and zirconium hydroxide nanoparticles and the effect on photoluminescence. <i>Applied Surface Science</i> , 2012, 258, 5778-5785.	3.1	38
63	Zirconium Hydroxide-Metal-Organic Framework Composites for Toxic Chemical Removal. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 5462-5469.	1.8	37
64	Structure-activity relationship of Au/ZrO <sub>2</sub> catalyst on formation of hydroxyl groups and its influence on CO oxidation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6051.	5.2	36
65	Hierarchical Pore Development by Plasma Etching of Zr-Based Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2015, 21, 18029-18032.	1.7	36
66	A Flexible Interpenetrated Zirconium-Based Metal-Organic Framework with High Affinity toward Ammonia. <i>ChemSusChem</i> , 2020, 13, 1710-1714.	3.6	36
67	MOF-rich: Sandwiched Metal-Organic Framework-Containing Mixed Matrix Composites for Chemical Warfare Agent Removal. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 6820-6824.	4.0	34
68	Modification of Fibers with Nanostructures Using Reactive Dye Chemistry. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 3821-3827.	1.8	32
69	Manganese Oxide Nanoarchitectures as Broad-Spectrum Sorbents for Toxic Gases. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 1184-1193.	4.0	32
70	Catalytic Degradation of an Organophosphorus Agent at Zn-OH Sites in a Metal-Organic Framework. <i>Chemistry of Materials</i> , 2020, 32, 6998-7004.	3.2	32
71	A Microporous Amic Acid Polymer for Enhanced Ammonia Capture. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 33504-33510.	4.0	31
72	Flexible SIS/HKUST-1 Mixed Matrix Composites as Protective Barriers against Chemical Warfare Agent Simulants. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 43080-43087.	4.0	31

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73	Role of TEDA as an Activated Carbon Impregnant for the Removal of Cyanogen Chloride from Air Streams: Synergistic Effect with Cu(II). <i>Journal of Physical Chemistry C</i> , 2010, 114, 20083-20090.	1.5	30
74	Sorption of Ammonia in Mesoporous-Silica Ionic Liquid Composites. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 12191-12204.	1.8	29
75	Filtration of chlorine and hydrogen chloride gas by engineered UiO-66-NH <sub>2</sub> metal-organic framework. <i>Journal of Hazardous Materials</i> , 2017, 332, 162-167.	6.5	28
76	Environmentally Benign Biosynthesis of Hierarchical MOF/Bacterial Cellulose Composite Sponge for Nerve Agent Protection. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	28
77	Selective-combustion purification of bulk carbonaceous solids to produce graphitic nanostructures. <i>Carbon</i> , 2010, 48, 501-508.	5.4	26
78	Extraordinary NO <sub>2</sub> Removal by the Metal-Organic Framework UiO-66-NH <sub>2</sub> . <i>Angewandte Chemie</i> , 2016, 128, 6343-6346.	1.6	25
79	Graphene Oxide-Based Membrane as a Protective Barrier against Toxic Vapors and Gases. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 11094-11103.	4.0	25
80	Strong, Ductile MOF-Poly(urethane urea) Composites. <i>Chemistry of Materials</i> , 2021, 33, 3164-3171.	3.2	25
81	Functionalized organosilicate materials for irritant gas removal. <i>Chemical Engineering Science</i> , 2012, 68, 376-382.	1.9	24
82	Multivariate CuBTC Metal-Organic Framework with Enhanced Selectivity, Stability, Compatibility, and Processability. <i>Chemistry of Materials</i> , 2019, 31, 8459-8465.	3.2	24
83	Doubly Protective MOF-Photo-Fabrics: Facile Template-Free Synthesis of PCN-222-Textiles Enables Rapid Hydrolysis, Photo-Hydrolysis and Selective Oxidation of Multiple Chemical Warfare Agents and Simulants. <i>Chemistry - A European Journal</i> , 2021, 27, 1465-1472.	1.7	24
84	Effects of water on the removal of methyl bromide using triethylene diamine impregnated carbon. <i>Carbon</i> , 2010, 48, 81-88.	5.4	22
85	Evaluation of a robust, diimide-based, porous organic polymer (POP) as a high-capacity sorbent for representative chemical threats. <i>Journal of Porous Materials</i> , 2012, 19, 261-266.	1.3	22
86	Structural Impact on Dielectric Properties of Zirconia. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26834-26840.	1.5	21
87	High-Throughput Screening of MOFs for Breakdown of V-Series Nerve Agents. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 14672-14677.	4.0	21
88	Organoalkoxysilane-Grafted Silica Composites for Acidic and Basic Gas Adsorption. <i>Langmuir</i> , 2012, 28, 17450-17456.	1.6	20
89	Highly Breathable Chemically Protective MOF-Fiber Catalysts. <i>Advanced Functional Materials</i> , 2022, 32, 2108004.	7.8	19
90	Metal-catalyzed graphitic nanostructures as sorbents for vapor-phase ammonia. <i>Journal of Materials Chemistry</i> , 2011, 21, 3477.	6.7	18

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91	Air, Water Vapor, and Aerosol Transport through Textiles with Surface Functional Coatings of Metal Oxides and Metal-Organic Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 24683-24690.	4.0	18
92	Mass Transfer and Adsorption Equilibrium for Low Volatility Alkanes in BPL Activated Carbon. <i>Langmuir</i> , 2013, 29, 2935-2945.	1.6	14
93	Bent-But-Not-Broken: Reactive Metal-Organic Framework Composites from Elastomeric Phase-Inverted Polymers. <i>Advanced Functional Materials</i> , 2020, 30, 2005517.	7.8	14
94	Detection of an explosive simulant via electrical impedance spectroscopy utilizing the UiO-66-NH <sub>2</sub> metal-organic framework. <i>Dalton Transactions</i> , 2016, 45, 17113-17116.	1.6	13
95	Stretchable and Multi-Metal-Organic Framework Fabrics Via High-Yield Rapid Sorption-Vapor Synthesis and Their Application in Chemical Warfare Agent Hydrolysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 31279-31284.	4.0	13
96	Interactions of Arsine with Nanoporous Carbons: Role of Heteroatoms in the Oxidation Process at Ambient Conditions. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6527-6533.	1.5	12
97	Surface Chemistry of Sulfur Dioxide on Zr(OH) <sub>4</sub> Powder: The Role of Water. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17205-17213.	1.5	12
98	Graphene Oxide and Metal-Organic Framework-Based Breathable Barrier Membranes for Toxic Vapors. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 31321-31331.	4.0	12
99	Membrane-supported metal organic framework based nanopacked bed for protection against toxic vapors and gases. <i>Separation and Purification Technology</i> , 2020, 251, 117406.	3.9	11
100	metal-organic framework polymer composite enhancement via acyl chloride modification. <i>Polymer International</i> , 2021, 70, 783-789.	1.6	11
101	H <sub>2</sub> ZSM-5 for the Removal of Ethylene Oxide: Effects of Water on Filtration Performance. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 185-191.	1.8	10
102	Reduced Chemical Warfare Agent Sorption in Polyurethane-Painted Surfaces via Plasma-Enhanced Chemical Vapor Deposition of Perfluoroalkanes. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 6402-6405.	4.0	10
103	Trifluoroethanol and <sup>19</sup> F Magic Angle Spinning Nuclear Magnetic Resonance as a Basic Surface Hydroxyl Reactivity Probe for Zirconium(IV) Hydroxide Structures. <i>Langmuir</i> , 2011, 27, 9458-9464.	1.6	9
104	Ambient Temperature Vapor Pressure and Adsorption Capacity for (Perfluorooctyl) Ethylene, 3-(Perfluorobutyl)propanol, Perfluorohexanoic Acid, Ethyl Perfluorooctanoate, and Perfluoro-3,6-dioxahexanoic Acid. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 1806-1812.	1.0	9
105	Battling Chemical Weapons with Zirconium Hydroxide Nanoparticle Sorbent: Impact of Environmental Contaminants on Sarin Sequestration and Decomposition. <i>Langmuir</i> , 2021, 37, 6923-6934.	1.6	8
106	Green MOF-Fabrics: Benign, Scalable Sorption-Vapor Synthesis of Catalytic Composites to Protect against Phosphorus-Based Toxins. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 2699-2707.	3.2	8
107	Preparation of Hydrophobic Metal-Organic Frameworks via Plasma Enhanced Chemical Vapor Deposition of Perfluoroalkanes for the Removal of Ammonia. <i>Journal of Visualized Experiments</i> , 2013, , .	0.2	7
108	Porphyrin-embedded organosilicate materials for ammonia adsorption. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 1252-1260.	0.4	5

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109	Photoluminescence of zirconium hydroxide: Origin of a chemisorption-induced "red-stretch"™. <i>Chemical Physics Letters</i> , 2014, 592, 297-301.	1.2	5
110	Metal-Organic Frameworks: Highly Adsorptive, MOF-Functionalized Nonwoven Fiber Mats for Hazardous Gas Capture Enabled by Atomic Layer Deposition ( <i>Adv. Mater. Interfaces</i> 4/2014). <i>Advanced Materials Interfaces</i> , 2014, 1, .	1.9	5
111	Impact of zinc salt counterion on poly(ethylene oxide) solution viscosity, conductivity, and ability to generate electrospun MOF/nanofiber composites. <i>Polymer</i> , 2022, 252, 124816.	1.8	5
112	A fiber optic, ultraviolet light-emitting diode-based, two wavelength fluorometer for monitoring reactive adsorption. <i>Review of Scientific Instruments</i> , 2016, 87, 035121.	0.6	4
113	In situ sensing of adsorbed water in activated carbon using impedance measurements. <i>Carbon</i> , 2009, 47, 2442-2447.	5.4	3
114	Measurement of the impedance change of impregnated activated carbon during exposure to SO2 vapors at ambient temperatures. <i>Carbon</i> , 2009, 47, 3566-3573.	5.4	3
115	Bamboo-type carbon nanotube solids derived from low-cost epoxy resins and their potential application for air filtration. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	2
116	Sensing of NO2 with zirconium hydroxide via frequency-dependent electrical impedance spectroscopy. <i>Dalton Transactions</i> , 2017, 46, 10791-10797.	1.6	1
117	Nanomaterial Development, Characterization, and Integration Strategies for Chemical Warfare Defense. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 14629-14630.	4.0	1
118	Catalytic Removal of Ethylene Oxide from Contaminated Airstreams by Alkali-Treated H-ZSM-5. <i>ACS Symposium Series</i> , 2009, , 235-248.	0.5	0
119	Active carbon filter health condition detection with piezoelectric wafer active sensors. , 2011, , .		0
120	Advancements in MOF characterization for enhanced MALDI sensing. , 2018, , .		0
121	Environmentally Benign Biosynthesis of Hierarchical MOF/Bacterial Cellulose Composite Sponge for Nerve Agent Protection. <i>Angewandte Chemie</i> , 0, , .	1.6	0