

Diana n H Tran

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.

47
papers

2,316
citations

25
h-index

48
g-index

48
ext. papers

2,791
ext. citations

7.5
avg, IF

5.5
L-index

#	Paper	IF	Citations
47	Bismuth Oxide Films for X-ray shielding: Effects of particle size and structural morphology. <i>Materials Chemistry and Physics</i> , 2021 , 260, 124084	4.4	6
46	Graphene-Based Sorbents for Multipollutants Removal in Water: A Review of Recent Progress. <i>Advanced Functional Materials</i> , 2021 , 31, 2007356	15.6	25
45	Lightweight Bismuth Titanate (Bi ₄ Ti ₃ O ₁₂) Nanoparticle-Epoxy Composite for Advanced Lead-Free X-ray Radiation Shielding. <i>ACS Applied Nano Materials</i> , 2021 , 4, 7471-7478	5.6	4
44	High-yield preparation of edge-functionalized and water dispersible few-layers of hexagonal boron nitride (hBN) by direct wet chemical exfoliation. <i>Nanotechnology</i> , 2021 , 32,	3.4	1
43	Unlocking thermogravimetric analysis (TGA) in the fight against fake graphene materials. <i>Carbon</i> , 2021 , 179, 505-513	10.4	17
42	Removal of Multiple Water Pollutants: All-in-One Bioinspired Multifunctional Graphene Biopolymer Foam for Simultaneous Removal of Multiple Water Pollutants (Adv. Mater. Interfaces 18/2020). <i>Advanced Materials Interfaces</i> , 2020 , 7, 2070103	4.6	1
41	Multithiol functionalized graphene bio-sponge via photoinitiated thiol-ene click chemistry for efficient heavy metal ions adsorption. <i>Chemical Engineering Journal</i> , 2020 , 395, 124965	14.7	43
40	Physicochemical and mechanical properties of reduced graphene oxide cement mortar composites: Effect of reduced graphene oxide particle size. <i>Construction and Building Materials</i> , 2020 , 250, 118832	6.7	16
39	Polyamine-modified reduced graphene oxide: A new and cost-effective adsorbent for efficient removal of mercury in waters. <i>Separation and Purification Technology</i> , 2020 , 238, 116441	8.3	20
38	All-in-One Bioinspired Multifunctional Graphene Biopolymer Foam for Simultaneous Removal of Multiple Water Pollutants. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000664	4.6	6
37	Revealing the dependence of graphene concentration and physicochemical properties on the crushing strength of co-granulated fertilizers by wet granulation process. <i>Powder Technology</i> , 2020 , 360, 588-597	5.2	5
36	MoS ₂ /Graphene Composites as Promising Materials for Energy Storage and Conversion Applications. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900915	4.6	32
35	Supercapacitors: MoS ₂ /Graphene Composites as Promising Materials for Energy Storage and Conversion Applications (Adv. Mater. Interfaces 20/2019). <i>Advanced Materials Interfaces</i> , 2019 , 6, 1970129 ^{4,6}	4.6	29
34	Tuning the Multifunctional Surface Chemistry of Reduced Graphene Oxide via Combined Elemental Doping and Chemical Modifications. <i>ACS Omega</i> , 2019 , 4, 19787-19798	3.9	26
33	Multifunctional Binding Chemistry on Modified Graphene Composite for Selective and Highly Efficient Adsorption of Mercury. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6350-6362	9.5	94
32	Engineering of highly conductive and ultra-thin nitrogen-doped graphene films by combined methods of microwave irradiation, ultrasonic spraying and thermal annealing. <i>Chemical Engineering Journal</i> , 2018 , 338, 764-773	14.7	21
31	Cogranulation of Low Rates of Graphene and Graphene Oxide with Macronutrient Fertilizers Remarkably Improves Their Physical Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 1299-1309 ^{8,9}	8.3	309

30	Scanning atmospheric plasma for ultrafast reduction of graphene oxide and fabrication of highly conductive graphene films and patterns. <i>Carbon</i> , 2018 , 127, 113-121	10.4	53
29	Green Synthesis of Three-Dimensional Hybrid N-Doped ORR Electro-Catalysts Derived from Apricot Sap. <i>Materials</i> , 2018 , 11,	3.5	6
28	Mixed-Mode Remediation of Cadmium and Arsenate Ions Using Graphene-Based Materials. <i>Clean - Soil, Air, Water</i> , 2018 , 46, 1800073	1.6	3
27	The hydrothermal processing of iron oxides from bacterial biofilm waste as new nanomaterials for broad applications.. <i>RSC Advances</i> , 2018 , 8, 34848-34852	3.7	4
26	A Facile Synthesis Procedure for Sulfonated Aniline Oligomers with Distinct Microstructures. <i>Materials</i> , 2018 , 11,	3.5	2
25	Interlayer growth of borates for highly adhesive graphene coatings with enhanced abrasion resistance, fire-retardant and antibacterial ability. <i>Carbon</i> , 2017 , 117, 252-262	10.4	36
24	Graphene-Borate as an Efficient Fire Retardant for Cellulosic Materials with Multiple and Synergetic Modes of Action. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10160-10168	9.5	54
23	Facile Adhesion-Tuning of Superhydrophobic Surfaces between "Lotus" and "Petal" Effect and Their Influence on Icing and Deicing Properties. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 8393-8402	8.5	89
22	Morphology-controlled MnO ₂ modified silicon diatoms for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10856-10865	13	72
21	Recent Advances in Sensing Applications of Graphene Assemblies and Their Composites. <i>Advanced Functional Materials</i> , 2017 , 27, 1702891	15.6	161
20	Graphene Oxide-Based Lamella Network for Enhanced Sound Absorption. <i>Advanced Functional Materials</i> , 2017 , 27, 1703820	15.6	67
19	Graphene Oxide: A New Carrier for Slow Release of Plant Micronutrients. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43325-43335	9.5	66
18	From Graphene Oxide to Reduced Graphene Oxide: Impact on the Physiochemical and Mechanical Properties of Graphene-Cement Composites. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43275-43286	9.5	106
17	Study of iron oxide nanoparticle phases in graphene aerogels for oxygen reduction reaction. <i>New Journal of Chemistry</i> , 2017 , 41, 15180-15186	3.6	13
16	Revealing the dependence of the physiochemical and mechanical properties of cement composites on graphene oxide concentration. <i>RSC Advances</i> , 2017 , 7, 55148-55156	3.7	32
15	A Unique 3D Nitrogen-Doped Carbon Composite as High-Performance Oxygen Reduction Catalyst. <i>Materials</i> , 2017 , 10,	3.5	13
14	Graphene Oxide-Assisted Liquid Phase Exfoliation of Graphite into Graphene for Highly Conductive Film and Electromechanical Sensors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16521-32	9.5	86
13	Functionalized three-dimensional (3D) graphene composite for high efficiency removal of mercury. <i>Environmental Science: Water Research and Technology</i> , 2016 , 2, 390-402	4.2	52

12	Engineering of graphene/epoxy nanocomposites with improved distribution of graphene nanosheets for advanced piezo-resistive mechanical sensing. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 3422-3430	7.1	48
11	Graphene: a multipurpose material for protective coatings. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12580-12602	13	201
10	Graphene Aerogels Decorated with FeOOH Nanoparticles for Efficient Adsorption of Arsenic from Contaminated Waters. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9758-66	9.5	146
9	Selective adsorption of oil/water mixtures using polydimethylsiloxane (PDMS)/graphene sponges. <i>Environmental Science: Water Research and Technology</i> , 2015 , 1, 298-305	4.2	114
8	Graphene-Diatom Silica Aerogels for Efficient Removal of Mercury Ions from Water. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11815-23	9.5	155
7	Robust Superhydrophobic Graphene-Based Composite Coatings with Self-Cleaning and Corrosion Barrier Properties. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28482-93	9.5	186
6	Engineered graphene/nanoparticle aerogel composites for efficient removal of phosphate from water. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6844-6852	13	72
5	Dynamic performance of duolayers at the air/water interface. 1. Experimental analysis. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 10919-26	3.4	4
4	Dynamic performance of duolayers at the air/water interface. 2. Mechanistic insights from all-atom simulations. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 10927-33	3.4	5
3	A green approach for the reduction of graphene oxide nanosheets using non-aromatic amino acids. <i>Carbon</i> , 2014 , 76, 193-202	10.4	123
2	Molecular interactions behind the synergistic effect in mixed monolayers of 1-octadecanol and ethylene glycol mono-octadecyl ether. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 3603-12	3.4	9
1	Rational design of monolayers for improved water evaporation mitigation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 415, 47-58	5.1	12