

Diana n H Tran

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4322047/diana-n-h-tran-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Graphene: a multipurpose material for protective coatings. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12580-12602	13	201
46	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
45	Recent Advances in Sensing Applications of Graphene Assemblies and Their Composites. <i>Advanced Functional Materials</i> , 2017 , 27, 1702891	15.6	161
44	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
43	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
42	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
41	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
40	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, 43275-43288	9.5	106
39	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
38	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	9.5	89
37	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
36	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
35	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
34	Graphene Oxide-Based Lamella Network for Enhanced Sound Absorption. <i>Advanced Functional Materials</i> , 2017 , 27, 1703820	15.6	67
33	Graphene Oxide: A New Carrier for Slow Release of Plant Micronutrients. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43325-43335	9.5	66
32	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
31	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

30	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
29	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
28	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
27	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
26	MoS ₂ /Graphene Composites as Promising Materials for Energy Storage and Conversion Applications. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900915	4.6	32
25	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
24	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
23	Graphene-Based Sorbents for Multipollutants Removal in Water: A Review of Recent Progress. <i>Advanced Functional Materials</i> , 2021 , 31, 2007356	15.6	25
22	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
21	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
20	Unlocking thermogravimetric analysis (TGA) in the fight against fake graphene materials. <i>Carbon</i> , 2021 , 179, 505-513	10.4	17
19	Physiochemical 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
18	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
17	A Unique 3D Nitrogen-Doped Carbon Composite as High-Performance Oxygen Reduction Catalyst. <i>Materials</i> , 2017 , 10,	3.5	13
16	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
15	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	8.3	9
14	Molecular interactions behind the synergistic effect in mixed monolayers of 1-octadecanol and ethylene glycol monooleyl ether. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 3603-12	3.4	9
13	Green Synthesis of Three-Dimensional Hybrid N-Doped ORR Electro-Catalysts Derived from Apricot Sap. <i>Materials</i> , 2018 , 11,	3.5	6

12	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
11	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
10	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
9	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
8	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
7	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
6	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
5	Mixed-Mode Remediation of Cadmium and Arsenate Ions Using Graphene-Based Materials. <i>Clean - Soil, Air, Water</i> , 2018 , 46, 1800073	1.6	3
4	A Facile Synthesis Procedure for Sulfonated Aniline Oligomers with Distinct Microstructures. <i>Materials</i> , 2018 , 11,	3.5	2
3	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
2	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
1	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 ⁶	4.6	1