

Hai Duong

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.

95 papers	3,319 citations	34 h-index	55 g-index
98 ext. papers	3,879 ext. citations	5.2 avg, IF	5.52 L-index

#	Paper	IF	Citations
95	Addressing the quantitative conversion bottleneck in single-atom catalysis.. <i>Nature Communications</i> , 2022 , 13, 2807	17.4	2
94	Composite aerogels of TEMPO-oxidized pineapple leaf pulp and chitosan for dyes removal. <i>Separation and Purification Technology</i> , 2021 , 283, 120200	8.3	2
93	Recent Progresses in Eco-Friendly Fabrication and Applications of Sustainable Aerogels from Various Waste Materials. <i>Waste and Biomass Valorization</i> , 2021 , 1-23	3.2	1
92	A novel aerogel from thermal power plant waste for thermal and acoustic insulation applications. <i>Waste Management</i> , 2021 , 124, 1-7	8.6	6
91	Recycling of Pineapple Leaf and Cotton Waste Fibers into Heat-insulating and Flexible Cellulose Aerogel Composites. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 1112-1121	4.5	14
90	Advanced fabrication and multi-properties of aluminium hydroxide aerogels from aluminium wastes. <i>Journal of Material Cycles and Waste Management</i> , 2021 , 23, 885-894	3.4	3
89	Fabrication and optimization of multifunctional nanoporous aerogels using recycled textile fibers from car tire wastes for oil-spill cleaning, heat-insulating and sound absorbing applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 628, 127363	5.1	5
88	Green recycling of fly ash into heat and sound insulation composite aerogels reinforced by recycled polyethylene terephthalate fibers. <i>Journal of Cleaner Production</i> , 2021 , 322, 129138	10.3	3
87	Green fabrication of flexible aerogels from polypropylene fibers for heat insulation and oil/water separation. <i>Journal of Porous Materials</i> , 2021 , 28, 617-627	2.4	4
86	Advanced aerogels from waste tire fibers for oil spill-cleaning applications. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104016	6.8	18
85	Advanced thermal properties of carbon-based aerogels 2020 , 221-269		1
84	Recycling of magnesium waste into magnesium hydroxide aerogels. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104101	6.8	13
83	Advanced fabrication and application of pineapple aerogels from agricultural waste. <i>Materials Technology</i> , 2020 , 35, 807-814	2.1	15
82	Functionalized pineapple aerogels for ethylene gas adsorption and nickel (II) ion removal applications. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104524	6.8	17
81	Recycling of waste tire fibers into advanced aerogels for thermal insulation and sound absorption applications. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104279	6.8	18
80	Methyltrimethoxysilane-coated recycled polyethylene terephthalate aerogels for oil spill cleaning applications. <i>Materials Chemistry and Physics</i> , 2020 , 239, 122064	4.4	30
79	Cellulose-based aerogels from sugarcane bagasse for oil spill-cleaning and heat insulation applications. <i>Carbohydrate Polymers</i> , 2020 , 228, 115365	10.3	73

78	Heat and sound insulation applications of pineapple aerogels from pineapple waste. <i>Materials Chemistry and Physics</i> , 2020 , 242, 122267	4.4	28
77	Post-spinning treatments to carbon nanotube fibers 2020 , 103-134		1
76	Advanced fabrication and multi-properties of rubber aerogels from car tire waste. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 577, 702-708	5.1	29
75	Direct Spinning of Horizontally Aligned Carbon Nanotube Fibers and Films From the Floating Catalyst Method 2019 , 3-29		2
74	Recycled Cellulose Aerogels from Paper Waste for a Heat Insulation Design of Canteen Bottles. <i>Fluids</i> , 2019 , 4, 174	1.6	11
73	Applications of functionalized polyethylene terephthalate aerogels from plastic bottle waste. <i>Waste Management</i> , 2019 , 100, 296-305	8.6	20
72	Fabrication and Properties of Hybrid Coffee-Cellulose Aerogels from Spent Coffee Grounds. <i>Polymers</i> , 2019 , 11,	4.5	11
71	Super high-rate fabrication of high-purity carbon nanotube aerogels from floating catalyst method for oil spill cleaning. <i>Chemical Physics Letters</i> , 2018 , 693, 146-151	2.5	39
70	Advanced fabrication and properties of hybrid polyethylene tetraphalate fiber silica aerogels from plastic bottle waste. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 556, 37-42	5.1	12
69	Advanced Recycled Polyethylene Terephthalate Aerogels from Plastic Waste for Acoustic and Thermal Insulation Applications. <i>Gels</i> , 2018 , 4,	4.2	31
68	Compressed hybrid cotton aerogels for stopping liquid leakage. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 537, 502-507	5.1	7
67	Effect of alignment and packing density on the stress relaxation process of carbon nanotube fibers spun from floating catalyst chemical vapor deposition method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 558, 570-578	5.1	21
66	Free-standing PEDOT:PSS/CNT aerogels and their electrochemical performance. <i>Materials Technology</i> , 2017 , 32, 622-629	2.1	8
65	Cotton aerogels and cotton-cellulose aerogels from environmental waste for oil spillage cleanup. <i>Materials and Design</i> , 2017 , 130, 452-458	8.1	91
64	Purification and Dissolution of Carbon Nanotube Fibers Spun from the Floating Catalyst Method. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37112-37119	9.5	38
63	On-chip integrated vertically aligned carbon nanotube based super- and pseudocapacitors. <i>Scientific Reports</i> , 2017 , 7, 16594	4.9	26
62	A Facile Approach to Tune the Electrical and Thermal Properties of Graphene Aerogels by Including Bulk MoS ₂ <i>Nanomaterials</i> , 2017 , 7,	5.4	21
61	Thermal Jacket Design Using Cellulose Aerogels for Heat Insulation Application of Water Bottles. <i>Fluids</i> , 2017 , 2, 64	1.6	5

60	Electrical property enhancement of carbon nanotube fibers from post treatments. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 509, 384-389	5.1	35
59	A Na(+) Superionic Conductor for Room-Temperature Sodium Batteries. <i>Scientific Reports</i> , 2016 , 6, 32330	4.9	110
58	Communication Poly(ethylene oxide)-Immobilized Ionogel with High Ionic Liquid Loading and Superior Ionic Conductivity. <i>Journal of the Electrochemical Society</i> , 2016 , 163, A2887-A2889	3.9	17
57	Mesoscopic modeling of heat transfer in carbon nanotube multiphase polymer composites 2016 ,		2
56	Continuous Carbon Nanotube-Based Fibers and Films for Applications Requiring Enhanced Heat Dissipation. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 17461-71	9.5	47
55	Nanocellulose Aerogels as Thermal Insulation Materials 2016 , 411-427		11
54	A comprehensive study on the self-lubrication mechanisms of SU-8 composites. <i>Tribology International</i> , 2016 , 95, 391-405	4.9	7
53	Continuous and scalable fabrication and multifunctional properties of carbon nanotube aerogels from the floating catalyst method. <i>Carbon</i> , 2016 , 102, 409-418	10.4	56
52	Post-Treatments for Multifunctional Property Enhancement of Carbon Nanotube Fibers from the Floating Catalyst Method. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7948-56	9.5	51
51	Super-strong and highly conductive carbon nanotube ribbons from post-treatment methods. <i>Carbon</i> , 2016 , 99, 407-415	10.4	76
50	High Li ion conductivity in a garnet-type solid electrolyte via unusual site occupation of the doping Ca ions. <i>Materials and Design</i> , 2016 , 93, 232-237	8.1	48
49	Review of Recent Developments on Using an Off-Lattice Monte Carlo Approach to Predict the Effective Thermal Conductivity of Composite Systems with Complex Structures. <i>Nanomaterials</i> , 2016 , 6,	5.4	10
48	Advanced Fabrication and Properties of Aligned Carbon Nanotube Composites: Experiments and Modeling 2016 ,		9
47	Silica/cellulose hybrid aerogels for thermal and acoustic insulation applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 506, 298-305	5.1	110
46	Three dimensional manganese oxide on carbon nanotube hydrogels for asymmetric supercapacitors. <i>RSC Advances</i> , 2016 , 6, 36954-36960	3.7	19
45	Graphene/Carbon Nanotube Aerogels 2016 , 563-578		1
44	Multi-property enhancement of aligned carbon nanotube thin films from floating catalyst method. <i>Materials and Design</i> , 2016 , 108, 754-760	8.1	36
43	Advanced fabrication and oil absorption properties of super-hydrophobic recycled cellulose aerogels. <i>Chemical Engineering Journal</i> , 2015 , 270, 168-175	14.7	270

42	Continuous self-assembly of carbon nanotube thin films and their composites for supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 481, 626-632	5.1	23
41	Formation mechanisms and morphological effects on multi-properties of carbon nanotube fibers and their polyimide aerogel-coated composites. <i>Composites Science and Technology</i> , 2015 , 117, 114-120	8.6	37
40	Prediction of thermal resistances and heat conduction of carbon nanotube aerogels in various permeated gases. <i>Chemical Physics Letters</i> , 2015 , 627, 116-120	2.5	10
39	Three dimensional carbon nanotube/nickel hydroxide gels for advanced supercapacitors. <i>RSC Advances</i> , 2015 , 5, 30260-30267	3.7	11
38	Inter-Carbon Nanotube Contact and Thermal Resistances in Heat Transport of Three-Phase Composites. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 7614-7620	3.8	20
37	Advanced multifunctional properties of aligned carbon nanotube-epoxy thin film composites. <i>Materials and Design</i> , 2015 , 87, 600-605	8.1	30
36	A facile strategy to achieve high conduction and excellent chemical stability of lithium solid electrolytes. <i>RSC Advances</i> , 2015 , 5, 6588-6594	3.7	19
35	Advanced multifunctional graphene aerogel [Poly (methyl methacrylate) composites: Experiments and modeling. <i>Carbon</i> , 2015 , 81, 396-404	10.4	106
34	Advanced properties of multiwalled carbon nanotube elastomer composites. <i>Materials Technology</i> , 2015 , 30, 150-154	2.1	6
33	Advanced thermal insulation and absorption properties of recycled cellulose aerogels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 445, 128-134	5.1	172
32	Thermal and electrical properties of graphene/carbon nanotube aerogels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 445, 48-53	5.1	45
31	Crystal structure, migration mechanism and electrochemical performance of Cr-stabilized garnet. <i>Solid State Ionics</i> , 2014 , 268, 135-139	3.3	38
30	Off-Lattice Monte Carlo Simulation of Heat Transfer through Carbon Nanotube Multiphase Systems Taking into Account Thermal Boundary Resistances. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014 , 65, 1023-1043	2.3	17
29	Thermal transport phenomena and limitations in heterogeneous polymer composites containing carbon nanotubes and inorganic nanoparticles. <i>Carbon</i> , 2014 , 78, 305-316	10.4	48
28	Facile synthesis and advanced performance of Ni(OH) ₂ /CNTs nanoflake composites on supercapacitor applications. <i>Chemical Physics Letters</i> , 2014 , 601, 168-173	2.5	44
27	Computational study on anisotropic thermal characterization of multi-scale wires using transient electrothermal technique. <i>International Journal of Thermal Sciences</i> , 2014 , 77, 165-171	4.1	2
26	Effects of heat treatment on the thermal properties of highly nanoporous graphene aerogels using the infrared microscopy technique. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 76, 122-127	4.9	45
25	Mesoscopic modeling of cancer photothermal therapy using single-walled carbon nanotubes and near infrared radiation: insights through an off-lattice Monte Carlo approach. <i>Nanotechnology</i> , 2014 , 25, 205101	3.4	21

24	Recycled Paper Cellulose Aerogel Synthesis and Water Absorption Properties. <i>Advanced Materials Research</i> , 2014 , 936, 938-941	0.5	4
23	Controlled synthesis of MnO ₂ /CNT nanocomposites for supercapacitor applications. <i>Materials Technology</i> , 2014 , 29, A107-A113	2.1	29
22	Anisotropic heat transfer prediction of multiscale wires using pulse laser thermal relaxation technique. <i>Chemical Physics Letters</i> , 2013 , 555, 239-246	2.5	2
21	Tribology of Self-lubricating SU-8+PFPE Composite based Lub-tape. <i>Procedia Engineering</i> , 2013 , 68, 497-504		5
20	Cellulose Aerogel from Paper Waste for Crude Oil Spill Cleaning. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 18386-18391	3.9	205
19	Morphology effects on electrical and thermal properties of binderless graphene aerogels. <i>Chemical Physics Letters</i> , 2013 , 561-562, 92-96	2.5	36
18	Hierarchical porous nickel oxide-carbon nanotubes as advanced pseudocapacitor materials for supercapacitors. <i>Chemical Physics Letters</i> , 2013 , 561-562, 68-73	2.5	35
17	Electrospun TiO ₂ -Graphene Composite Nanofibers as a Highly Durable Insertion Anode for Lithium Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 14780-14788	3.8	171
16	Morphology control and thermal stability of binderless-graphene aerogels from graphite for energy storage applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 414, 352-358	5.1	68
15	Effective Heat Transfer Properties of Graphene Sheet Nanocomposites and Comparison to Carbon Nanotube Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 3872-3880	3.8	39
14	Limiting Mechanisms of Thermal Transport in Carbon Nanotube-Based Heterogeneous Media. <i>Recent Patents on Engineering</i> , 2011 , 5, 209-232	0.3	3
13	Temperature-dependent phonon conduction and nanotube engagement in metalized single wall carbon nanotube films. <i>Nano Letters</i> , 2010 , 10, 2395-400	11.5	60
12	Morphology Effects on Nonisotropic Thermal Conduction of Aligned Single-Walled and Multi-Walled Carbon Nanotubes in Polymer Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 8851-8860	3.8	39
11	A numerical study on the effective thermal conductivity of biological fluids containing single-walled carbon nanotubes. <i>International Journal of Heat and Mass Transfer</i> , 2009 , 52, 5591-5597	4.9	24
10	High-yield growth and morphology control of aligned carbon nanotubes on ceramic fibers for multifunctional enhancement of structural composites. <i>Carbon</i> , 2009 , 47, 551-560	10.4	158
9	Mechanism and Optimization of Metal Deposition onto Vertically Aligned Single-Walled Carbon Nanotube Arrays. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 14230-14235	3.8	8
8	Inter-carbon nanotube contact in thermal transport of controlled-morphology polymer nanocomposites. <i>Nanotechnology</i> , 2009 , 20, 155702	3.4	38
7	Computational modeling of the thermal conductivity of single-walled carbon nanotube-polymer composites. <i>Nanotechnology</i> , 2008 , 19, 065702	3.4	58

6	Calculated Thermal Properties of Single-Walled Carbon Nanotube Suspensions. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 19860-19865	3.8	31
5	Thermal Degradation of Single-Walled Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 1994-1999	1.4	20
4	Modeling Radial-Flow Ion-Exchange Bed Performance. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 3681-3691	3.9	3
3	Random walks in nanotube composites: Improved algorithms and the role of thermal boundary resistance. <i>Applied Physics Letters</i> , 2005 , 87, 013101	3.4	43
2	Advanced Aerogels from Wool Waste Fibers for Oil Spill Cleaning Applications. <i>Journal of Polymers and the Environment</i> ,1	4.5	5
1	Green fabrication of bio-based aerogels from coconut fibers for wastewater treatment. <i>Journal of Porous Materials</i> ,1	2.4	