

Tran Thanh Tung

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

3,232
citations

109137

35
h-index

155451

55
g-index

90
all docs

90
docs citations

90
times ranked

4855
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced graphene oxide nanofluidic electrolyte with improved electrochemical properties for vanadium flow batteries. <i>Journal of Energy Storage</i> , 2022, 49, 104133.	3.9	17
2	3D printing interface-modified PDMS/MXene nanocomposites for stretchable conductors. <i>Journal of Materials Science and Technology</i> , 2022, 117, 174-182.	5.6	13
3	Multiple applications of bio-graphene foam for efficient chromate ion removal and oil-water separation. <i>Chemosphere</i> , 2021, 263, 127790.	4.2	27
4	Graphene-Based Sorbents for Multipollutants Removal in Water: A Review of Recent Progress. <i>Advanced Functional Materials</i> , 2021, 31, 2007356.	7.8	75
5	Toward on-board microchip synthesis of CdSe vs. PbSe nanocrystalline quantum dots as a spectral decoy for protecting space assets. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 471-485.	1.9	5
6	Bone Marrow, Peripheral Blood and Plasma for Quantitation of BCR-ABL Transcript in Chronic Myeloid Leukemia. <i>Pharmacophore</i> , 2021, 12, 49-53.	0.2	3
7	Graphene ink for 3D extrusion micro printing of chemo-resistive sensing devices for volatile organic compound detection. <i>Nanoscale</i> , 2021, 13, 5356-5368.	2.8	13
8	Graphene oxide (GO) decorated on multi-structured porous titania fabricated by plasma electrolytic oxidation (PEO) for enhanced antibacterial performance. <i>Materials and Design</i> , 2021, 200, 109443.	3.3	39
9	N-doped reduced graphene oxide-PEDOT nanocomposites for implementation of a flexible wideband antenna for wearable wireless communication applications. <i>Nanotechnology</i> , 2021, 32, 245711.	1.3	8
10	Highly Water Dispersible Functionalized Graphene by Thermal Thiol-Ene Click Chemistry. <i>Materials</i> , 2021, 14, 2830.	1.3	7
11	3D bioprinting of a cell-laden antibacterial polysaccharide hydrogel composite. <i>Carbohydrate Polymers</i> , 2021, 264, 117989.	5.1	48
12	Unlocking thermogravimetric analysis (TGA) in the fight against "Fake graphene" materials. <i>Carbon</i> , 2021, 179, 505-513.	5.4	88
13	Converging 2D Nanomaterials and 3D Bioprinting Technology: State of the Art, Challenges, and Potential Outlook in Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101439.	3.9	9
14	Upgrading of diesel engine exhaust waste into onion-like carbon nanoparticles for integrated degradation sensing in nano-biocomposites. <i>New Journal of Chemistry</i> , 2021, 45, 3675-3682.	1.4	26
15	Comparative antibacterial activity of 2D materials coated on porous-titania. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6412-6424.	2.9	10
16	Nitrogen-doped carbon-coated nanodiamonds for electrocatalytic applications. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 085303.	1.3	6
17	A Unique Synthesis of Macroporous N-Doped Carbon Composite Catalyst for Oxygen Reduction Reaction. <i>Nanomaterials</i> , 2021, 11, 43.	1.9	4
18	Fractal Design for Advancing the Performance of Chemoresistive Sensors. <i>ACS Sensors</i> , 2021, 6, 3685-3695.	4.0	13

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19	Effect of large graphene particle size on structure, optical property and photocatalytic activity of graphene-titanate nanotube composites. <i>Optical Materials</i> , 2021, 122, 111662.	1.7	2
20	Extrusion-Printed CNT-Graphene Sensor Array with Embedded MXene/PEDOT:PSS Heater for Enhanced NO ₂ Sensing at Low Temperature. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101175.	1.9	13
21	Hybridization of MOFs and graphene: A new strategy for the synthesis of porous 3D carbon composites for high performing supercapacitors. <i>Electrochimica Acta</i> , 2020, 329, 135104.	2.6	58
22	Superhydrophobic/superoleophilic natural fibres for continuous oil-water separation and interfacial dye-adsorption. <i>Separation and Purification Technology</i> , 2020, 233, 116062.	3.9	49
23	Graphene and metal organic frameworks (MOFs) hybridization for tunable chemoresistive sensors for detection of volatile organic compounds (VOCs) biomarkers. <i>Carbon</i> , 2020, 159, 333-344.	5.4	97
24	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.	3.9	38
25	Self-Assembly and Cross-Linking of Conducting Polymers into 3D Hydrogel Electrodes for Supercapacitor Applications. <i>ACS Applied Energy Materials</i> , 2020, 3, 923-932.	2.5	73
26	Comprehensive Study of the Sand Spit Evolution at Tidal Inlets in the Central Coast of Vietnam. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 722.	1.2	14
27	Improved preparation of MoS ₂ /graphene composites and their inks for supercapacitors applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 262, 114700.	1.7	37
28	Cross-overlapped flat-silver/hexagonal boron nitride for translucent heat-reflective coatings. <i>Applied Materials Today</i> , 2020, 20, 100764.	2.3	5
29	3D sprayed polyurethane functionalized graphene / carbon nanotubes hybrid architectures to enhance the piezo-resistive response of quantum resistive pressure sensors. <i>Carbon</i> , 2020, 168, 564-579.	5.4	28
30	Functional inks and extrusion-based 3D printing of 2D materials: a review of current research and applications. <i>Nanoscale</i> , 2020, 12, 19007-19042.	2.8	78
31	Fast response hydrogen gas sensor based on Pd/Cr nanogaps fabricated by a single-step bending deformation. <i>Analytica Chimica Acta</i> , 2020, 1138, 49-58.	2.6	8
32	3D printing of cell-laden electroconductive bioinks for tissue engineering applications. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5862-5876.	2.9	63
33	3D bioprinting of cell-laden electroconductive MXene nanocomposite bioinks. <i>Nanoscale</i> , 2020, 12, 16069-16080.	2.8	106
34	SAND SPIT EVOLUTION AT THE AN DU RIVER MOUTH, CENTRAL VIETNAM. <i>Journal of Japan Society of Civil Engineers Ser B3 (Ocean Engineering)</i> , 2020, 76, I_234-I_239.	0.0	0
35	Electromigration with enhanced green emission in the titanium dioxide nanotube/graphene composite. <i>Current Applied Physics</i> , 2019, 19, 1082-1087.	1.1	1
36	3D Printing Technology of Polymer Composites and Hydrogels for Artificial Skin Tissue Implementations. <i>Lecture Notes in Bioengineering</i> , 2019, , 205-233.	0.3	13

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37	Mechanism of enhanced photocatalytic activity of Cr-doped ZnO nanoparticles revealed by photoluminescence emission and electron spin resonance. <i>Semiconductor Science and Technology</i> , 2019, 34, 025013.	1.0	29
38	Magnetic iron oxide nanoparticles decorated graphene for chemoresistive gas sensing: The particle size effects. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 315-325.	5.0	37
39	Sediment transport trends and cross-sectional stability of a lagoonal tidal inlet on the Central Coast of Vietnam. <i>International Journal of Sediment Research</i> , 2019, 34, 322-334.	1.8	6
40	Graphene-Based Aerogels Derived from Biomass for Energy Storage and Environmental Remediation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3772-3782.	3.2	114
41	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.	6.6	32
42	Electrostatic powder coatings of pristine graphene: A new approach for coating of granular and fibril substrates. <i>Applied Surface Science</i> , 2018, 441, 187-193.	3.1	8
43	Silver Nanowires with Pristine Graphene Oxidation Barriers for Stable and High Performance Transparent Conductive Films. <i>ACS Applied Nano Materials</i> , 2018, 1, 2249-2260.	2.4	37
44	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.	5.4	71
45	A Facile Synthesis Procedure for Sulfonated Aniline Oligomers with Distinct Microstructures. <i>Materials</i> , 2018, 11, 1755.	1.3	5
46	Heterojunction of graphene and titanium dioxide nanotube composites for enhancing photocatalytic activity. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 265304.	1.3	13
47	Green Synthesis of Three-Dimensional Hybrid N-Doped ORR Electro-Catalysts Derived from Apricot Sap. <i>Materials</i> , 2018, 11, 205.	1.3	8
48	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.	4.0	78
49	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.	4.0	114
50	Recent Advances in Sensing Applications of Graphene Assemblies and Their Composites. <i>Advanced Functional Materials</i> , 2017, 27, 1702891.	7.8	209
51	Study of iron oxide nanoparticle phases in graphene aerogels for oxygen reduction reaction. <i>New Journal of Chemistry</i> , 2017, 41, 15180-15186.	1.4	15
52	High-efficiency microwave graphene antenna. , 2017, , .		6
53	A Unique 3D Nitrogen-Doped Carbon Composite as High-Performance Oxygen Reduction Catalyst. <i>Materials</i> , 2017, 10, 921.	1.3	14
54	Carbon Nanomaterial Based Biosensors for Non-Invasive Detection of Cancer and Disease Biomarkers for Clinical Diagnosis. <i>Sensors</i> , 2017, 17, 1919.	2.1	132

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55	Water Soluble Fluorescent Carbon Nanodots from Biosource for Cells Imaging. Journal of Nanomaterials, 2017, 2017, 1-10.	1.5	53
56	Development of Vapor/Gas Sensors From Biopolymer Composites. , 2017, , 385-403.		12
57	Self-Assembly of Graphene Derivatives: Methods, Structures, and Applications. , 2017, , 47-74.		7
58	Recent advances in engineered graphene and composites for detection of volatile organic compounds (VOCs) and non-invasive diseases diagnosis. Carbon, 2016, 110, 97-129.	5.4	128
59	Enhancing the sensitivity of graphene/polyurethane nanocomposite flexible piezo-resistive pressure sensors with magnetite nano-spacers. Carbon, 2016, 108, 450-460.	5.4	87
60	Scalable realization of conductive graphene films for high-efficiency microwave antennas. Journal of Materials Chemistry C, 2016, 4, 10620-10624.	2.7	22
61	Graphene Oxide-Assisted Liquid Phase Exfoliation of Graphite into Graphene for Highly Conductive Film and Electromechanical Sensors. ACS Applied Materials & Interfaces, 2016, 8, 16521-16532.	4.0	98
62	Engineering of graphene/epoxy nanocomposites with improved distribution of graphene nanosheets for advanced piezo-resistive mechanical sensing. Journal of Materials Chemistry C, 2016, 4, 3422-3430.	2.7	62
63	Nanomaterials-Embedded Liquid Crystal Elastomers in Electronics Devices Application. Springer Series on Polymer and Composite Materials, 2016, , 365-390.	0.5	1
64	Core-shell nanostructured hybrid composites for volatile organic compound detection. International Journal of Nanomedicine, 2015, 10 Spec Iss, 203.	3.3	4
65	Hybrid Films of Graphene and Carbon Nanotubes for High Performance Chemical and Temperature Sensing Applications. Small, 2015, 11, 3485-3493.	5.2	54
66	Graphene Filled Polymers for Vapor/Gas Sensor Applications. , 2015, , 253-275.		1
67	High stability silver nanoparticles-graphene/poly(ionic liquid)-based chemoresistive sensors for volatile organic compounds detection. Analytical and Bioanalytical Chemistry, 2014, 406, 3995-4004.	1.9	50
68	Graphene-Fe ₃ O ₄ /PIL-PEDOT for the design of sensitive and stable quantum chemo-resistive VOC sensors. Carbon, 2014, 74, 104-112.	5.4	59
69	Electromagnetic properties of Fe ₃ O ₄ -functionalized graphene and its composites with a conducting polymer. Journal of Polymer Science Part A, 2013, 51, 3767-3767.	2.5	0
70	Hybrid film of chemically modified graphene and vapor-phase-polymerized PEDOT for electronic nose applications. Organic Electronics, 2013, 14, 2789-2794.	1.4	32
71	Phosphatidylserine recognition and induction of apoptotic cell clearance by Drosophila engulfment receptor Draper. Journal of Biochemistry, 2013, 153, 483-491.	0.9	58
72	Graphene quantum resistive sensing skin for the detection of alteration biomarkers. Journal of Materials Chemistry, 2012, 22, 21754.	6.7	115

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73	Ionic liquid-assisted microwave reduction of graphite oxide for supercapacitors. RSC Advances, 2012, 2, 8808.	1.7	37
74	Large-scale patterning by the roll-based evaporation-induced self-assembly. Journal of Materials Chemistry, 2012, 22, 22844.	6.7	18
75	Electronic noses for VOCs detection based on the nanoparticles hybridized graphene composites. , 2012, , .		4
76	Electromagnetic properties of Fe ₃ O ₄ -functionalized graphene and its composites with a conducting polymer. Journal of Polymer Science Part A, 2012, 50, 927-935.	2.5	70
77	Preparation and characterization of graphene composites with conducting polymers. Polymer International, 2012, 61, 93-98.	1.6	36
78	Poly(ionic liquid)-stabilized graphene sheets and their hybrid with poly(3,4-ethylenedioxythiophene). Organic Electronics, 2011, 12, 2215-2224.	1.4	79
79	Nanocomposites of single-walled carbon nanotubes and poly(3,4-ethylenedioxythiophene) for transparent and conductive film. Organic Electronics, 2011, 12, 22-28.	1.4	25
80	Poly(ionic liquid)-Mediated Hybridization of Single-Walled Carbon Nanotubes and Conducting Polymers. Chemistry - an Asian Journal, 2010, 5, 256-260.	1.7	25
81	Preparation of single-walled carbon nanotube (SWNT) gel composites using poly(ionic liquids). Colloid and Polymer Science, 2010, 288, 1013-1018.	1.0	48
82	Synthesis and characterization of the carbon nanotube-based composite materials with poly(3,4-ethylenedioxythiophene). Synthetic Metals, 2010, 160, 1266-1272.	2.1	7
83	Conducting Nanocomposites Derived from Poly(styrenesulfonate)-Functionalized MWCNT-PSS and PEDOT. Journal of the Electrochemical Society, 2009, 156, K218.	1.3	8
84	Synthesis and molecular structure of substituted 2-hydroxyperhydro-[1,3,2]dioxaborinino[5,4-c]pyridines, perhydro[1,3]dioxano[5,4-c]pyridine, and their precursor-4-hydroxy-3-(1-hydroxybenzyl)-1-methyl-4-phenylpiperidine. Chemistry of Heterocyclic Compounds, 2008, 44, 1404-1412.	0.6	2
85	Interaction of copper(II) halides with 4-azafluorene derivatives in neutral and acid media. Crystal and molecular structure of 4-aza-9-oxofluorenium tetrabromocuprate hydrate (HL4)2CuB4 · H2O. Russian Journal of Inorganic Chemistry, 2007, 52, 733-741.	0.3	5
86	Process Intensification for Gram-Scale Synthesis of N-Doped Carbon Quantum Dots Immersing a Microplasma Jet in a Gas-Liquid Reactor. SSRN Electronic Journal, 0, , .	0.4	0