

# Tran Thanh Tung

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3130630/publications.pdf>

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	Recent Advances in Sensing Applications of Graphene Assemblies and Their Composites. <i>Advanced Functional Materials</i> , 2017, 27, 1702891.	7.8	209
2	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
3	Recent advances in engineered graphene and composites for detection of volatile organic compounds (VOCs) and non-invasive diseases diagnosis. <i>Carbon</i> , 2016, 110, 97-129.	5.4	128
4	Graphene quantum resistive sensing skin for the detection of alteration biomarkers. <i>Journal of Materials Chemistry</i> , 2012, 22, 21754.	6.7	115
5	Facile Adhesion-Tuning of Superhydrophobic Surfaces between "Lotus" and "Petal" Effect and Their Influence on Icing and Deicing Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 8393-8402.	4.0	114
6	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
7	3D bioprinting of cell-laden electroconductive MXene nanocomposite bioinks. <i>Nanoscale</i> , 2020, 12, 16069-16080.	2.8	106
8	Graphene Oxide-Assisted Liquid Phase Exfoliation of Graphite into Graphene for Highly Conductive Film and Electromechanical Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 16521-16532.	4.0	98
9	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
10	Unlocking thermogravimetric analysis (TGA) in the fight against "Fake graphene" materials. <i>Carbon</i> , 2021, 179, 505-513.	5.4	88
11	Enhancing the sensitivity of graphene/polyurethane nanocomposite flexible piezo-resistive pressure sensors with magnetite nano-spacers. <i>Carbon</i> , 2016, 108, 450-460.	5.4	87
12	Poly(ionic liquid)-stabilized graphene sheets and their hybrid with poly(3,4-ethylenedioxythiophene). <i>Organic Electronics</i> , 2011, 12, 2215-2224.	1.4	79
13	Graphene-Borate as an Efficient Fire Retardant for Cellulosic Materials with Multiple and Synergetic Modes of Action. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 10160-10168.	4.0	78
14	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
15	Graphene-Based Sorbents for Multipollutants Removal in Water: A Review of Recent Progress. <i>Advanced Functional Materials</i> , 2021, 31, 2007356.	7.8	75
16	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
17	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
18	Electromagnetic properties of Fe <sub>3</sub> O <sub>4</sub> -functionalized graphene and its composites with a conducting polymer. <i>Journal of Polymer Science Part A</i> , 2012, 50, 927-935.	2.5	70

#	ARTICLE	IF	CITATIONS
19	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
20	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.	2.7	62
21	Graphene-Fe <sub>3</sub> O <sub>4</sub> /PIL-PEDOT for the design of sensitive and stable quantum chemo-resistive VOC sensors. <i>Carbon</i> , 2014, 74, 104-112.	5.4	59
22	Phosphatidylserine recognition and induction of apoptotic cell clearance by <i>Drosophila</i> engulfment receptor Draper. <i>Journal of Biochemistry</i> , 2013, 153, 483-491.	0.9	58
23	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
24	Hybrid Films of Graphene and Carbon Nanotubes for High Performance Chemical and Temperature Sensing Applications. <i>Small</i> , 2015, 11, 3485-3493.	5.2	54
25	Water Soluble Fluorescent Carbon Nanodots from Biosource for Cells Imaging. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-10.	1.5	53
26	High stability silver nanoparticles-graphene/poly(ionic liquid)-based chemoresistive sensors for volatile organic compounds detection. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3995-4004.	1.9	50
27	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
28	Preparation of single-walled carbon nanotube (SWNT) gel composites using poly(ionic liquids). <i>Colloid and Polymer Science</i> , 2010, 288, 1013-1018.	1.0	48
29	3D bioprinting of a cell-laden antibacterial polysaccharide hydrogel composite. <i>Carbohydrate Polymers</i> , 2021, 264, 117989.	5.1	48
30	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
31	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
32	Ionic liquid-assisted microwave reduction of graphite oxide for supercapacitors. <i>RSC Advances</i> , 2012, 2, 8808.	1.7	37
33	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
34	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
35	Improved preparation of MoS <sub>2</sub> /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
36	Preparation and characterization of graphene composites with conducting polymers. <i>Polymer International</i> , 2012, 61, 93-98.	1.6	36

#	ARTICLE	IF	CITATIONS
37	Hybrid film of chemically modified graphene and vapor-phase-polymerized PEDOT for electronic nose applications. <i>Organic Electronics</i> , 2013, 14, 2789-2794.	1.4	32
38	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
39	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
40	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
41	Multiple applications of bio-graphene foam for efficient chromate ion removal and oil-water separation. <i>Chemosphere</i> , 2021, 263, 127790.	4.2	27
42	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
43	Poly(ionic liquid)-mediated Hybridization of Single-walled Carbon Nanotubes and Conducting Polymers. <i>Chemistry - an Asian Journal</i> , 2010, 5, 256-260.	1.7	25
44	Nanocomposites of single-walled carbon nanotubes and poly(3,4-ethylenedioxythiophene) for transparent and conductive film. <i>Organic Electronics</i> , 2011, 12, 22-28.	1.4	25
45	Scalable realization of conductive graphene films for high-efficiency microwave antennas. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10620-10624.	2.7	22
46	Large-scale patterning by the roll-based evaporation-induced self-assembly. <i>Journal of Materials Chemistry</i> , 2012, 22, 22844.	6.7	18
47	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
48	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
49	A Unique 3D Nitrogen-Doped Carbon Composite as High-Performance Oxygen Reduction Catalyst. <i>Materials</i> , 2017, 10, 921.	1.3	14
50	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
51	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
52	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
53	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
54	Fractal Design for Advancing the Performance of Chemoresistive Sensors. <i>ACS Sensors</i> , 2021, 6, 3685-3695.	4.0	13

#	ARTICLE	IF	CITATIONS
55	Extrusion-Printed CNT-Graphene Sensor Array with Embedded MXene/PEDOT:PSS Heater for Enhanced NO <sub>2</sub> Sensing at Low Temperature. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101175.	1.9	13
56	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
57	Development of Vapor/Gas Sensors From Biopolymer Composites. , 2017, , 385-403.		12
58	Comparative antibacterial activity of 2D materials coated on porous-titania. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6412-6424.	2.9	10
59	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
60	Conducting Nanocomposites Derived from Poly(styrenesulfonate)-Functionalized MWCNT-PSS and PEDOT. <i>Journal of the Electrochemical Society</i> , 2009, 156, K218.	1.3	8
61	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
62	Green Synthesis of Three-Dimensional Hybrid N-Doped ORR Electro-Catalysts Derived from Apricot Sap. <i>Materials</i> , 2018, 11, 205.	1.3	8
63	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
64	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
65	Synthesis and characterization of the carbon nanotube-based composite materials with poly(3,4-ethylenedioxythiophene). <i>Synthetic Metals</i> , 2010, 160, 1266-1272.	2.1	7
66	Self-Assembly of Graphene Derivatives: Methods, Structures, and Applications. , 2017, , 47-74.		7
67	Highly Water Dispersible Functionalized Graphene by Thermal Thiol-Ene Click Chemistry. <i>Materials</i> , 2021, 14, 2830.	1.3	7
68	High-efficiency microwave graphene antenna. , 2017, , .		6
69	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
70	Nitrogen-doped carbon-coated nanodiamonds for electrocatalytic applications. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 085303.	1.3	6
71	Interaction of copper(II) halides with 4-azafluorene derivatives in neutral and acid media. Crystal and molecular structure of 4-aza-9-oxofluorenum tetrabromocuprate hydrate (HL4)2CuB4 · H2O. <i>Russian Journal of Inorganic Chemistry</i> , 2007, 52, 733-741.	0.3	5
72	A Facile Synthesis Procedure for Sulfonated Aniline Oligomers with Distinct Microstructures. <i>Materials</i> , 2018, 11, 1755.	1.3	5

#	ARTICLE	IF	CITATIONS
73	Cross-overlapped flat-silver/hexagonal boron nitride for translucent heat-reflective coatings. Applied Materials Today, 2020, 20, 100764.	2.3	5
74	Toward on-board microchip synthesis of CdSe vs. PbSe nanocrystalline quantum dots as a spectral decoy for protecting space assets. Reaction Chemistry and Engineering, 2021, 6, 471-485.	1.9	5
75	Electronic noses for VOCs detection based on the nanoparticles hybridized graphene composites. , 2012, , .		4
76	Core-shell nanostructured hybrid composites for volatile organic compound detection. International Journal of Nanomedicine, 2015, 10 Spec Iss, 203.	3.3	4
77	A Unique Synthesis of Macroporous N-Doped Carbon Composite Catalyst for Oxygen Reduction Reaction. Nanomaterials, 2021, 11, 43.	1.9	4
78	Bone Marrow, Peripheral Blood and Plasma for Quantitation of BCR-ABL Transcript in Chronic Myeloid Leukemia. Pharmacophore, 2021, 12, 49-53.	0.2	3
79	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
80	Effect of large graphene particle size on structure, optical property and photocatalytic activity of graphene-titanate nanotube composites. Optical Materials, 2021, 122, 111662.	1.7	2
81	Graphene Filled Polymers for Vapor/Gas Sensor Applications. , 2015, , 253-275.		1
82	Nanomaterials-Embedded Liquid Crystal Elastomers in Electronics Devices Application. Springer Series on Polymer and Composite Materials, 2016, , 365-390.	0.5	1
83	Electromigration with enhanced green emission in the titanium dioxide nanotube/graphene composite. Current Applied Physics, 2019, 19, 1082-1087.	1.1	1
84	Electromagnetic properties of Fe <sub>3</sub> O <sub>4</sub> -functionalized graphene and its composites with a conducting polymer. Journal of Polymer Science Part A, 2013, 51, 3767-3767.	2.5	0
85	SAND SPIT EVOLUTION AT THE AN DU RIVER MOUTH, CENTRAL VIETNAM. Journal of Japan Society of Civil Engineers Ser B3 (Ocean Engineering), 2020, 76, I_234-I_239.	0.0	0
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