

Pham Van Trinh

List of Publications by Year in descending order

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47
papers

865
citations

516710

16
h-index

526287

27
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47
all docs

47
docs citations

47
times ranked

982
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced efficiency of silicon micro-pyramids/poly(3,4-ethylenedioxythiophene):polystyrene sulfonate/gold nanoparticles hybrid solar cells. <i>Materials Science in Semiconductor Processing</i> , 2022, 137, 106226.	4.0	3
2	Enhanced power conversion efficiency of an n-Si/PEDOT:PSS hybrid solar cell using nanostructured silicon and gold nanoparticles. <i>RSC Advances</i> , 2022, 12, 10514-10521.	3.6	12
3	Mechanical and wear properties of SiCp/CNT/Al6061 hybrid metal matrix composites. <i>Diamond and Related Materials</i> , 2022, 124, 108952.	3.9	13
4	Characterization of Sputtered Coatings with Various Nitrogen Content Deposited from High Aluminum Alloyed TiAlV Target. <i>Materials Transactions</i> , 2021, 62, 82-87.	1.2	2
5	Electrodeposited nickel-graphene nanocomposite coating: influence of graphene nanoplatelet size on wear and corrosion resistance. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 1481-1490.	3.1	10
6	Electrochemical Sensor Based on Reduced Graphene Oxide/Double-Walled Carbon Nanotubes/Octahedral Fe ₃ O ₄ /Chitosan Composite for Glyphosate Detection. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 106, 1017-1023.	2.7	26
7	Fast, facile and environmentally friendly approach for preparing high thermal conductivity graphene oxide based nanofluids by solution plasma exfoliation. <i>Materials Letters</i> , 2021, 287, 129316.	2.6	4
8	Facile synthesis of graphene oxide from graphite rods of recycled batteries by solution plasma exfoliation for removing Pb from water. <i>RSC Advances</i> , 2020, 10, 41237-41247.	3.6	11
9	Detonation spraying of Ti-Cu mixtures in different atmospheres: Carbon, nitrogen and oxygen uptake by the powders. <i>Surfaces and Interfaces</i> , 2020, 21, 100676.	3.0	8
10	Enhanced mechanical and wear properties of Al6061 alloy nanocomposite reinforced by CNT-template-grown core-shell CNT/SiC nanotubes. <i>Scientific Reports</i> , 2020, 10, 12896.	3.3	23
11	Electrodeposited nickel-graphene nanocomposite coating: effect of graphene nanoplatelet size on its microstructure and hardness. <i>RSC Advances</i> , 2020, 10, 22080-22090.	3.6	19
12	A novel electrochemical sensor based on double-walled carbon nanotubes and graphene hybrid thin film for arsenic(V) detection. <i>Journal of Hazardous Materials</i> , 2020, 400, 123185.	12.4	51
13	Carbon Nanomaterial-Based Nanofluids for Direct Thermal Solar Absorption. <i>Nanomaterials</i> , 2020, 10, 1199.	4.1	38
14	Effect of annealing temperature on electrical and thermal property of cold-rolled multi-walled carbon nanotubes reinforced copper composites. <i>Diamond and Related Materials</i> , 2020, 108, 107980.	3.9	7
15	Enhanced mechanical properties and wear resistance of cold-rolled carbon nanotubes reinforced copper matrix composites. <i>Materials Research Express</i> , 2020, 7, 015069.	1.6	7
16	Aqueous electrodeposition of (AuNPs/MWCNT-PEDOT) composite for high-affinity acetylcholinesterase electrochemical sensors. <i>Journal of Materials Science</i> , 2020, 55, 9070-9081.	3.7	7
17	Solar Cell Based on Hybrid Structural SiNW/Poly(3,4 ethylenedioxythiophene): Poly(styrenesulfonate)/Graphene. <i>Global Challenges</i> , 2020, 4, 2000010.	3.6	17
18	Microstructure and mechanical properties of MWCNT/Ti6Al4V composites consolidated by vacuum sintering. <i>Science of Sintering</i> , 2020, 52, 187-194.	1.4	3

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19	Microstructure and Mechanical Properties of Ti6Al4V Alloy Consolidated by Different Sintering Techniques. <i>Metals</i> , 2019, 9, 1033.	2.3	8
20	Enhanced hardness of nickel coating reinforced functionalized carbon nanomaterials via an electrodeposition technique. <i>Materials Research Express</i> , 2019, 6, 0850c4.	1.6	7
21	Rheological properties of SWCNT/EG mixture by a new developed optimization approach of LS-Support Vector Regression according to empirical data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 525, 912-920.	2.6	8
22	Effect of Graphene Nanoplatelet Concentration on the Thermal Conductivity of Silicone Thermal Grease. <i>Journal of Nano- and Electronic Physics</i> , 2019, 11, 05039-1-05039-4.	0.5	3
23	Field electron emission from a copper-based composite reinforced with carbon nanotubes. <i>Letters on Materials</i> , 2019, 9, 566-570.	0.7	4
24	Microstructure, microhardness and thermal expansion of CNT/Al composites prepared by flake powder metallurgy. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 105, 126-137.	7.6	56
25	Thermal Conductivity and Photothermal Conversion Performance of Ethylene Glycol-Based Nanofluids Containing Multiwalled Carbon Nanotubes. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-8.	2.7	10
26	Effect of oxidation of SiC particles on mechanical properties and wear behavior of SiCp/Al6061 composites. <i>Journal of Alloys and Compounds</i> , 2018, 769, 282-292.	5.5	49
27	Experimental study on the thermal conductivity of ethylene glycol-based nanofluid containing Gr-CNT hybrid material. <i>Journal of Molecular Liquids</i> , 2018, 269, 344-353.	4.9	55
28	Mirostructure and microhardness of aluminum-copper composite reinforced with multi-walled carbon nanotubes prepared by vacuum sintering and hot isostatic pressing techniques. <i>Science of Sintering</i> , 2018, 50, 163-171.	1.4	8
29	Effect of Sintering Temperature on Properties of CNT/Al Composite Prepared by Capsule-Free Hot Isostatic Pressing Technique. <i>Transactions of the Indian Institute of Metals</i> , 2017, 70, 947-955.	1.5	15
30	Enhanced thermal conductivity of nanofluid-based ethylene glycol containing Cu nanoparticles decorated on a Gr-MWCNT hybrid material. <i>RSC Advances</i> , 2017, 7, 318-326.	3.6	39
31	Effect of organic solvents on the properties of DWCNT/PEDOT:PSS transparent conductive films. <i>Materials Research Express</i> , 2017, 4, 105504.	1.6	4
32	Influence of defects induced by chemical treatment on the electrical and thermal conductivity of nanofluids containing carboxyl-functionalized multi-walled carbon nanotubes. <i>RSC Advances</i> , 2017, 7, 49937-49946.	3.6	28
33	Effect of Surface Morphology and Dispersion Media on the Properties of PEDOT:PSS/n-Si Hybrid Solar Cell Containing Functionalized Graphene. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-9.	1.8	6
34	Effect of Annealing Time on the Power Conversion Efficiency of Silicon Nanowire Based Solar Cell Prepared by Wet Diffusion Technique. <i>Journal of Nano- and Electronic Physics</i> , 2017, 9, 06025-1-06025-4.	0.5	1
35	Thermo-mechanical properties of carbon nanotubes and applications in thermal management. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2016, 7, 025017.	1.5	7
36	Influence of sintering temperature on microstructure and mechanical properties of WC-8Ni cemented carbide produced by vacuum sintering. <i>Ceramics International</i> , 2016, 42, 14937-14943.	4.8	31

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37	Fabrication, microstructure, and microhardness of copper composites reinforced by carbon nanotubes. <i>Physics of the Solid State</i> , 2015, 57, 1206-1212.	0.6	9
38	High Efficiency Hybrid Solar Cells Using Nanocrystalline Si Quantum Dots and Si Nanowires. <i>ACS Nano</i> , 2015, 9, 6891-6899.	14.6	78
39	Effect of nanowire length on the performance of silicon nanowires based solar cell. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2014, 5, 045014.	1.5	13
40	Heat dissipation for the Intel Core i5 processor using multiwalled carbon-nanotube-based ethylene glycol. <i>Journal of the Korean Physical Society</i> , 2014, 65, 312-316.	0.7	21
41	Effects of carbon nanotube content and annealing temperature on the hardness of CNT reinforced aluminum nanocomposites processed by the high pressure torsion technique. <i>Journal of Alloys and Compounds</i> , 2014, 613, 68-73.	5.5	56
42	A method to obtain homogeneously dispersed carbon nanotubes in Al powders for preparing Al/CNTs nanocomposite. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2013, 4, 025015.	1.5	4
43	Heat Dissipation for Microprocessor Using Multiwalled Carbon Nanotubes Based Liquid. <i>Scientific World Journal</i> , The, 2013, 2013, 1-6.	2.1	8
44	Thermal dissipation media for high power electronic devices using a carbon nanotube-based composite. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2011, 2, 025002.	1.5	11
45	The effect of sintering temperature on the mechanical properties of a Cu/CNT nanocomposite prepared via a powder metallurgy method. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2011, 2, 015006.	1.5	36
46	Simulation of thermal dissipation in a $\hat{1}/4$ -processor using carbon nanotubes based composite. <i>Computational Materials Science</i> , 2010, 49, S302-S306.	3.0	9
47	Calculation of the friction coefficient of Cu matrix composite reinforced by carbon nanotubes. <i>Computational Materials Science</i> , 2010, 49, S239-S241.	3.0	20