

Pham Van Trinh

List of Publications by Year in descending order

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papers

865
citations

516710

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526287

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47
all docs

47
docs citations

47
times ranked

982
citing authors

#	ARTICLE	IF	CITATIONS
1	High Efficiency Hybrid Solar Cells Using Nanocrystalline Si Quantum Dots and Si Nanowires. ACS Nano, 2015, 9, 6891-6899.	14.6	78
2	Effects of carbon nanotube content and annealing temperature on the hardness of CNT reinforced aluminum nanocomposites processed by the high pressure torsion technique. Journal of Alloys and Compounds, 2014, 613, 68-73.	5.5	56
3	Microstructure, microhardness and thermal expansion of CNT/Al composites prepared by flake powder metallurgy. Composites Part A: Applied Science and Manufacturing, 2018, 105, 126-137.	7.6	56
4	Experimental study on the thermal conductivity of ethylene glycol-based nanofluid containing Gr-CNT hybrid material. Journal of Molecular Liquids, 2018, 269, 344-353.	4.9	55
5	A novel electrochemical sensor based on double-walled carbon nanotubes and graphene hybrid thin film for arsenic(V) detection. Journal of Hazardous Materials, 2020, 400, 123185.	12.4	51
6	Effect of oxidation of SiC particles on mechanical properties and wear behavior of SiCp/Al6061 composites. Journal of Alloys and Compounds, 2018, 769, 282-292.	5.5	49
7	Enhanced thermal conductivity of nanofluid-based ethylene glycol containing Cu nanoparticles decorated on a Gr-MWCNT hybrid material. RSC Advances, 2017, 7, 318-326.	3.6	39
8	Carbon Nanomaterial-Based Nanofluids for Direct Thermal Solar Absorption. Nanomaterials, 2020, 10, 1199.	4.1	38
9	The effect of sintering temperature on the mechanical properties of a Cu/CNT nanocomposite prepared via a powder metallurgy method. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2011, 2, 015006.	1.5	36
10	Influence of sintering temperature on microstructure and mechanical properties of WC-8Ni cemented carbide produced by vacuum sintering. Ceramics International, 2016, 42, 14937-14943.	4.8	31
11	Influence of defects induced by chemical treatment on the electrical and thermal conductivity of nanofluids containing carboxyl-functionalized multi-walled carbon nanotubes. RSC Advances, 2017, 7, 49937-49946.	3.6	28
12	Electrochemical Sensor Based on Reduced Graphene Oxide/Double-Walled Carbon Nanotubes/Octahedral Fe ₃ O ₄ /Chitosan Composite for Glyphosate Detection. Bulletin of Environmental Contamination and Toxicology, 2021, 106, 1017-1023.	2.7	26
13	Enhanced mechanical and wear properties of Al6061 alloy nanocomposite reinforced by CNT-template-grown core-shell CNT/SiC nanotubes. Scientific Reports, 2020, 10, 12896.	3.3	23
14	Heat dissipation for the Intel Core i5 processor using multiwalled carbon-nanotube-based ethylene glycol. Journal of the Korean Physical Society, 2014, 65, 312-316.	0.7	21
15	Calculation of the friction coefficient of Cu matrix composite reinforced by carbon nanotubes. Computational Materials Science, 2010, 49, S239-S241.	3.0	20
16	Electrodeposited nickel-graphene nanocomposite coating: effect of graphene nanoplatelet size on its microstructure and hardness. RSC Advances, 2020, 10, 22080-22090.	3.6	19
17	Solar Cell Based on Hybrid Structural SiNW/Poly(3,4 ethylenedioxythiophene): Poly(styrenesulfonate)/Graphene. Global Challenges, 2020, 4, 2000010.	3.6	17
18	Effect of Sintering Temperature on Properties of CNT/Al Composite Prepared by Capsule-Free Hot Isostatic Pressing Technique. Transactions of the Indian Institute of Metals, 2017, 70, 947-955.	1.5	15

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19	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
20	Mechanical and wear properties of SiCp/CNT/Al6061 hybrid metal matrix composites. <i>Diamond and Related Materials</i> , 2022, 124, 108952.	3.9	13
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	Heat Dissipation for Microprocessor Using Multiwalled Carbon Nanotubes Based Liquid. <i>Scientific World Journal, The</i> , 2013, 2013, 1-6.	2.1	8
29	Microstructure and Mechanical Properties of Ti6Al4V Alloy Consolidated by Different Sintering Techniques. <i>Metals</i> , 2019, 9, 1033.	2.3	8
30	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
31	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
32	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
33	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
34	Enhanced hardness of nickel coating reinforced functionalized carbon nanomaterials via an electrodeposition technique. <i>Materials Research Express</i> , 2019, 6, 0850c4.	1.6	7
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	Field electron emission from a copper-based composite reinforced with carbon nanotubes. <i>Letters on Materials</i> , 2019, 9, 566-570.	0.7	4
43	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
44	Microstructure and mechanical properties of MWCNT/Ti6Al4V composites consolidated by vacuum sintering. <i>Science of Sintering</i> , 2020, 52, 187-194.	1.4	3
45	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
46	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
47	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