Phuong Nguyen Tri

List of Publications by Year
in descending order

96 papers	2,999 citations	172207 29 h-index	189595 50 g-index
100 all docs	100 docs citations	100 times ranked	3003 citing authors

#	Article	IF	Citations
1	SARS-CoV-2 and its new variants: a comprehensive review on nanotechnological application insights into potential approaches. Applied Nanoscience (Switzerland), 2023, 13, 65-93.	1.6	8
2	On post-fire bond strength of steel rebar embedded in thermally-damaged concrete â€“ a review. Journal of Adhesion Science and Technology, 2023, 37, 370-410.	1.4	10
3	Recent progress on MXenes and MOFs hybrids: Structure, synthetic strategies and catalytic water splitting. International Journal of Hydrogen Energy, 2023, 48, 6560-6574.	3.8	58
4	Recent progress on the design and development of diaminotriazine based molecular catalysts for light-driven hydrogen production. Coordination Chemistry Reviews, 2022, 456, 214375.	9.5	17
5	Superior removal of dyes by mesoporous MgO/g-C3N4 fabricated through ultrasound method: Adsorption mechanism and process modeling. Environmental Research, 2022, 205, 112543.	3.7	43
6	Graphitic carbon nitride based immobilized and non-immobilized floating photocatalysts for environmental remediation. Chemosphere, 2022, 297, 134229.	4.2	35
7	Miscibility, Morphology, and Crystallization Kinetics of Biodegradable Poly(Îµ-caprolactone)/Ascorbic Acid Blends. ACS Applied Polymer Materials, 2022, 4, 301-312.	2.0	3
8	Recent advances in bio-inspired multifunctional coatings for corrosion protection. Progress in Organic Coatings, 2022, 168, 106858.	1.9	22
9	Characterization of Slaughterhouse Wastewater and Development of Treatment Techniques: A Review. Processes, 2022, 10, 1300.	1.3	19
10	Rapid Assessment of Biological Activity of Ag-Based Antiviral Coatings for the Treatment of Textile Fabrics Used in Protective Equipment Against Coronavirus. ACS Applied Bio Materials, 2022, 5, 3405-3417.	2.3	6
11	Smart nanotextiles: an introduction. , 2021, , 1-6.		2
12	Artificial neural network modeling of cefixime photodegradation by synthesized CoBi2O4 nanoparticles. Environmental Science and Pollution Research, 2021, 28, 15436-15452.	2.7	45
13	In vitro analysis of green fabricated silver nanoparticles (AgNPs) against Pseudomonas aeruginosa PA14 biofilm formation, their application on urinary catheter. Progress in Organic Coatings, 2021, 151, 106058.	1.9	60
14	Nanogenerator-based hybrid systems for smart textiles. , 2021, , 83-92.		1
15	Editorial for the Special Issue: Multifunctional Composites in the Journal of Composites Science. Journal of Composites Science, 2021, 5, 15.	1.4	0
16	A facile strategy for the construction of TiO2/Ag nanohybrid-based polyethylene nanocomposite for antimicrobial applications. Nano Structures Nano Objects, 2021, 25, 100671.	1.9	17
17	Enhanced antimicrobial, antibiofilm and anticancer activities of biocompatible neem gum coated palladium nanoparticles. Progress in Organic Coatings, 2021, 151, 106098.	1.9	20
18	Effects of antibacterial ZnO nanoparticles on the performance of a chitosan/gum arabic edible coating for post-harvest banana preservation. Progress in Organic Coatings, 2021, 151, 106057.	1.9	65

#	Article	IF	Citations
19	Editorial for the Special Issue: Functional Polymer Composites. Polymers, 2021, 13, 909.	2.0	0
20	Removal of organic pollutants in water by the MCM-41 anchored with nickel(II) and copper(II) complexes. Environmental Technology and Innovation, 2021, 22, 101492.	3.0	7
21	Synthesis of clayâ€armored coatable sulfonated polyimide nanocomposites as robust polyelectrolyte membranes. Journal of Applied Polymer Science, 2021, 138, 51310.	1.3	5
22	Effects of radiation and role of plants in radioprotection: A critical review. Science of the Total Environment, 2021, 779, 146431.	3.9	30
23	Lignocellulosic biorefineries: The current state of challenges and strategies for efficient commercialization. Renewable and Sustainable Energy Reviews, 2021, 148, 111258.	8.2	137
24	Biological treatment of saline domestic wastewater by using a down-flow hanging sponge reactor. Chemosphere, 2021, 283, 131101.	4.2	7
25	Activated carbon with ultrahigh surface area derived from sawdust biowaste for the removal of rhodamine B in water. Environmental Technology and Innovation, 2021, 24, 101811.	3.0	22
26	Acrylic polymer/TiO2 nanocomposite coatings: Mechanism for photo-degradation and solar heat reflective recovery. Materials Chemistry and Physics, 2021, 272, 124984.	2.0	14
27	Recent progress in air treatment with combined photocatalytic/plasma processes: A review. Journal of Environmental Management, 2021, 299, 113588.	3.8	16
28	Advanced Functional Materials for Intelligent Thermoregulation in Personal Protective Equipment. Polymers, 2021, 13, 3711.	2.0	6
29	Factors affecting the structure, phase transition and crystallization process of AlNi nanoparticles. Journal of Alloys and Compounds, 2020, 812, 152133.	2.8	25
30	Ethanol CO2 reforming on La2O3 and CeO2-promoted Cu/Al2O3 catalysts for enhanced hydrogen production. International Journal of Hydrogen Energy, 2020, 45, 18398-18410.	3.8	24
31	Investigation of crosslinking, mechanical properties and weathering stability of acrylic polyurethane coating reinforced by SiO2 nanoparticles issued from rice husk ash. Materials Chemistry and Physics, 2020, 241, 122445.	2.0	32
32	A new four-variable refined plate theory for static analysis of smart laminated functionally graded carbon nanotube reinforced composite plates. Mechanics of Materials, 2020, 142, 103294.	1.7	21
33	Crosslinking process, mechanical and antibacterial properties of UV-curable acrylate/Fe3O4-Ag nanocomposite coating. Progress in Organic Coatings, 2020, 139, 105325.	1.9	20
34	The role of organic and inorganic UV-absorbents on photopolymerization and mechanical properties of acrylate-urethane coating. Materials Today Communications, 2020, 22, 100780.	0.9	15
35	Call for planning policy and biotechnology solutions for food waste management and valorization in Vietnam. Biotechnology Reports (Amsterdam, Netherlands), 2020, 28, e00529.	2.1	7
36	Evaluation of bioremediation competence of indigenous bacterial strains isolated from fabric dyeing effluent. Bioresource Technology Reports, 2020, 11, 100536.	1.5	4

#	Article	IF	Citations
37	Review on discharge Plasma for water treatment: mechanism, reactor geometries, active species and combined processes. Journal of Water Process Engineering, 2020, 38, 101664.	2.6	116
38	Fabrication and modeling of prototype bike silencer using hybrid glass and chicken feather fiber/hydroxyapatite reinforced epoxy composites. Progress in Organic Coatings, 2020, 148, 105871.	1.9	10
39	Facile synthesis and characterization of hydroxyapatite from fish bones: Photocatalytic degradation of industrial dyes (crystal violet and Congo red). Progress in Organic Coatings, 2020, 148, 105890.	1.9	57
40	Graphene Oxide-Induced Interfacial Transcrystallization of Single-Fiber Milkweed/Polycaprolactone/Polyvinylchloride Composites. ACS Omega, 2020, 5, 22430-22439.	1.6	3
41	Recent Applications of Advanced Atomic Force Microscopy in Polymer Science: A Review. Polymers, 2020, 12, 1142.	2.0	69
42	Understanding the heterogeneous kinetics of Al nanoparticles by simulations method. Journal of Molecular Structure, 2020, 1218, 128498.	1.8	12
43	Nanomaterial for air remediation: an introduction. , 2020, , 3-8.		3
44	3D modeling of transformation of gaseous pollutants in the high-pressure turbine of an aircraft engine. Propulsion and Power Research, 2020, 9, 1-14.	2.0	2
45	Photocatalytic degradation and heat reflectance recovery of waterborne acrylic polymer/ZnO nanocomposite coating. Journal of Applied Polymer Science, 2020, 137, 49116.	1.3	17
46	Smart nanoconcretes. , 2020, , 3-8.		11
47	Antibacterial nanocomposite coatings. , 2020, , 355-364.		4
48	Molecular dynamic study on factors influencing the structure, phase transition and crystallization process of NiCu6912 nanoparticle. Materials Chemistry and Physics, 2020, 250, 123075.	2.0	20
49	DFT Prediction of Factors Affecting the Structural Characteristics, the Transition Temperature and the Electronic Density of Some New Conjugated Polymers. Polymers, 2020, 12, 1207.	2.0	17
50	Hydrogen: fuel of the near future. , 2020, , 1-20.		8
51	Aero-thermodynamic and chemical process interactions in an axial high-pressure turbine of aircraft engines. International Journal of Engine Research, 2019, 20, 653-669.	1.4	5
52	Electrical and thermal phenomena in lowâ€density polyethylene/carbon black composites near the percolation threshold. Journal of Applied Polymer Science, 2019, 136, 47043.	1.3	32
53	Biodiesel production from Ulva linza, Ulva tubulosa, Ulva fasciata, Ulva rigida, Ulva reticulate by using Mn2ZnO4 heterogenous nanocatalysts. Fuel, 2019, 255, 115744.	3.4	17
54	Antibacterial Activity of TiO2- and ZnO-Decorated with Silver Nanoparticles. Journal of Composites Science, 2019, 3, 61.	1.4	86

#	Article	IF	Citations
55	Nanomaterials-based coatings: an introduction. , 2019, , 1-7.		5
56	Simulation on the Factors Affecting the Crystallization Process of FeNi Alloy by Molecular Dynamics. ACS Omega, 2019, 4, 14605-14612.	1.6	23
57	Electrical, thermal and rheological properties of low-density polyethylene/ethylene vinyl acetate/graphene-like composite. Composites Part B: Engineering, 2019, 177, 107288.	5.9	27
58	Methods for Synthesis of Hybrid Nanoparticles. , 2019, , 51-63.		14
59	Butyl Rubber-Based Composite: Thermal Degradation and Prediction of Service Lifetime. Journal of Composites Science, 2019, 3, 48.	1.4	12
60	Biological Activity and Nanostructuration of Fe3O4-Ag/High Density Polyethylene Nanocomposites. Journal of Composites Science, 2019, 3, 34.	1.4	21
61	Robust Superhydrophobic Cotton Fibers Prepared by Simple Dip-Coating Approach Using Chemical and Plasma-Etching Pretreatments. ACS Omega, 2019, 4, 7829-7837.	1.6	89
62	Adsorption mechanism of hexavalent chromium onto layered double hydroxides-based adsorbents: A systematic in-depth review. Journal of Hazardous Materials, 2019, 373, 258-270.	6.5	177
63	Synthesis of Gold Nanoparticles Decorated with Multiwalled Carbon Nanotubes (Au-MWCNTs) via Cysteaminium Chloride Functionalization. Scientific Reports, 2019, 9, 5667.	1.6	76
64	Recent progress in the preparation, properties and applications of superhydrophobic nano-based coatings and surfaces: A review. Progress in Organic Coatings, 2019, 132, 235-256.	1.9	292
65	Physics, Electrochemistry, Photochemistry, and Photoelectrochemistry of Hybrid Nanoparticles. , 2019, , 95-123.		7
66	Comment on â€œremoval of hexavalent chromium by biochar supported nZVI composite: Batch and fixed-bed column evaluations, mechanisms, and secondary contamination preventionâ€• Chemosphere, 2019, 233, 988-990.	4.2	9
67	Antibacterial Behavior of Hybrid Nanoparticles. , 2019, , 141-155.		13
68	Pulse potential deposition of vinylic polymers based on diazonium chemistry: recent developments and applications. , 2019, , 119-138.		0
69	Radically curable nano-based coatings. , 2019, , 339-372.		3
70	Nanoscale analysis of the photodegradation of polyester fibers by AFM-IR. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 371, 196-204.	2.0	46
71	Evaluation of the relationship between the aerothermodynamic process and operational parameters in the high-pressure turbine of an aircraft engine. Aerospace Science and Technology, 2019, 86, 93-105.	2.5	11
72	Nanoscale Lamellar Assembly and Segregation Mechanism of Poly(3-hydroxybutyrate)/Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.2	30

#	Article	IF	Citations
73	Swelling behavior of polymeric membranes to metalworking fluids. Journal of Applied Polymer Science, 2018, 135, 45717.	1.3	6
74	Electrical and thermal conductivity of ethylene vinyl acetate composite with graphene and carbon black filler. Polymer Testing, 2018, 72, 24-31.	2.3	48
75	Crystallization and Segregation Behavior at the Submicrometer Scale of PCL/PEG Blends. Macromolecules, 2018, 51, 7266-7273.	2.2	26
76	Treatment of hospital indoor air by a hybrid system of combined plasma with photocatalysis: Case of trichloromethane. Chemical Engineering Journal, 2018, 349, 276-286.	6.6	49
77	Nanocomposite Coatings: Preparation, Characterization, Properties, and Applications. International Journal of Corrosion, 2018, 2018, 1-19.	0.6	138
78	Stability of acrylic polyurethane coatings under accelerated aging tests and natural outdoor exposure: The critical role of the used photo-stabilizers. Progress in Organic Coatings, 2018, 124, 137-146.	1.9	57
79	Pilot scale degradation of mono and multi volatile organic compounds by surface discharge plasma/TiO2 reactor: Investigation of competition and synergism. Journal of Hazardous Materials, 2018, 357, 305-313.	6.5	53
80	Combined puncture and cutting of elastomer membranes: A fracture energy approach. Journal of Applied Polymer Science, 2017, 134, .	1.3	7
81	Pulse potential deposition of thick polyvinylpyridine-like film on the surface of titanium nitride. RSC Advances, 2016, 6, 80825-80829.	1.7	13
82	Accelerated degradation of water borne acrylic nanocomposites used in outdoor protective coatings. Polymer Degradation and Stability, 2016, 128, 65-76.	2.7	80
83	Combined puncture/cutting of elastomer membranes by pointed blades: Characterization of mechanisms. Journal of Applied Polymer Science, 2015, 132, .	1.3	11
84	Chemical ageingaging of a polyester nonwoven membrane used in aerosol and drainage filter. Polymer Degradation and Stability, 2014, 101, 71-80.	2.7	22
85	Crystallization behavior of poly(lactide)/poly(Î²â€hydroxybutyrate)/talc composites. Journal of Applied Polymer Science, 2013, 129, 3355-3365.	1.3	45
86	Photochemical aging of an e-PTFE/NOMEXÂ® membrane used in firefighter protective clothing. Polymer Degradation and Stability, 2013, 98, 1300-1310.	2.7	33
87	Helium gas barrier and water absorption behavior of bamboo fiber reinforced recycled polypropylene. Journal of Reinforced Plastics and Composites, 2012, 31, 1638-1651.	1.6	21
88	Investigation of tearing mechanisms of woven textile. Polymer Composites, 2012, 33, 1578-1585.	2.3	12
89	Mechanics and mechanisms of tear resistance of woven fabrics. Theoretical and Applied Fracture Mechanics, 2012, 61, 33-39.	2.1	28
90	Ã‰laboration et propriÃ©tÃ©s des composites polypropylÃ¨ne recyclÃ©/fibres de bambou. Materiaux Et Techniques, 2012, 100, 413-423.	0.3	12

#	ARTICLE	IF	CITATIONS
91	Morphology and properties of recycled polypropylene/bamboo fibers composites. , 2011, , .		0
92	Non-isothermal Crystallization Kinetics of Short Bamboo Fiber-reinforced Recycled Polypropylene Composites. Journal of Reinforced Plastics and Composites, 2010, 29, 2576-2591.	1.6	21
93	Resistance of protective gloves materials to puncture by medical needles. Journal of ASTM International, 2010, 7, 1-16.	0.2	2
94	Puncture of elastomer membranes by medical needles. Part II: Mechanics. International Journal of Fracture, 2009, 155, 83-91.	1.1	26
95	Preparation of Recycled Polypropylene/ Organophilic Modified Layered Silicates Nanocomposites Part I: The Recycling Process of Polypropylene and the Mechanical Properties of Recycled Polypropylene/Organoclay Nanocomposites. Journal of Reinforced Plastics and Composites, 2008, 27, 1983-2000.	1.6	47
96	Redox and photoinitiated crosslinking polymerization. Progress in Organic Coatings, 2005, 54, 230-239.	1.9	28