

Thi Tuong Vy Phan

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,769
citations

201575

27
h-index

276775

41
g-index

54
all docs

54
docs citations

54
times ranked

2513
citing authors

#	ARTICLE	IF	CITATIONS
1	Marine polysaccharide-based nanomaterials as a novel source of nanobiotechnological applications. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 315-327.	3.6	158
2	Multimodal tumor-homing chitosan oligosaccharide-coated biocompatible palladium nanoparticles for photo-based imaging and therapy. <i>Scientific Reports</i> , 2018, 8, 500.	1.6	102
3	An Up-To-Date Review on Biomedical Applications of Palladium Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 66.	1.9	98
4	Multifunctional biocompatible chitosan-polypyrrole nanocomposites as novel agents for photoacoustic imaging-guided photothermal ablation of cancer. <i>Scientific Reports</i> , 2017, 7, 43593.	1.6	75
5	Chitosan/fucoidan multilayer coating of gold nanorods as highly efficient near-infrared photothermal agents for cancer therapy. <i>Carbohydrate Polymers</i> , 2019, 211, 360-369.	5.1	68
6	Nano-hydroxyapatite bioactive glass composite scaffold with enhanced mechanical and biological performance for tissue engineering application. <i>Ceramics International</i> , 2018, 44, 15735-15746.	2.3	65
7	Magnetic hyperthermia and pH-responsive effective drug delivery to the sub-cellular level of human breast cancer cells by modified CoFe ₂ O ₄ nanoparticles. <i>Biochimie</i> , 2017, 133, 7-19.	1.3	63
8	Rapid microwave-assisted synthesis of gold loaded hydroxyapatite collagen nano-bio materials for drug delivery and tissue engineering application. <i>Ceramics International</i> , 2019, 45, 2977-2988.	2.3	61
9	Comparative characterization of biogenic and chemical synthesized hydroxyapatite biomaterials for potential biomedical application. <i>Materials Chemistry and Physics</i> , 2019, 228, 344-356.	2.0	58
10	Chitosan as a stabilizer and size-control agent for synthesis of porous flower-shaped palladium nanoparticles and their applications on photo-based therapies. <i>Carbohydrate Polymers</i> , 2019, 205, 340-352.	5.1	57
11	Anti-EGFR Antibody Conjugation of Fucoidan-Coated Gold Nanorods as Novel Photothermal Ablation Agents for Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14633-14646.	4.0	55
12	Anti-EGFR antibody conjugated thiol chitosan-layered gold nanoshells for dual-modal imaging-guided cancer combination therapy. <i>Journal of Controlled Release</i> , 2019, 311-312, 26-42.	4.8	55
13	Photo-based PDT/PTT dual model killing and imaging of cancer cells using phycocyanin-polypyrrole nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 123, 20-30.	2.0	53
14	Photoacoustic Imaging-Guided Photothermal Therapy with Tumor-Targeting HA-FeOOH@PPy Nanorods. <i>Scientific Reports</i> , 2018, 8, 8809.	1.6	53
15	Roles of Chitosan in Green Synthesis of Metal Nanoparticles for Biomedical Applications. <i>Nanomaterials</i> , 2021, 11, 273.	1.9	52
16	Thiol chitosan-wrapped gold nanoshells for near-infrared laser-induced photothermal destruction of antibiotic-resistant bacteria. <i>Carbohydrate Polymers</i> , 2019, 225, 115228.	5.1	50
17	Marine Biopolymer-Based Nanomaterials as a Novel Platform for Theranostic Applications. <i>Polymer Reviews</i> , 2017, 57, 631-667.	5.3	45
18	Prussian blue decorated mesoporous silica hybrid nanocarriers for photoacoustic imaging-guided synergistic chemo-photothermal combination therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5220-5233.	2.9	40

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19	A multifunctional near-infrared laser-triggered drug delivery system using folic acid conjugated chitosan oligosaccharide encapsulated gold nanorods for targeted chemo-photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3811-3825.	2.9	40
20	Polypyrrole- α -methylene blue nanoparticles as a single multifunctional nanoplatform for near-infrared photo-induced therapy and photoacoustic imaging. <i>RSC Advances</i> , 2017, 7, 35027-35037.	1.7	39
21	Fucoidan-coated core-shell magnetic mesoporous silica nanoparticles for chemotherapy and magnetic hyperthermia-based thermal therapy applications. <i>New Journal of Chemistry</i> , 2017, 41, 15334-15346.	1.4	39
22	Biocompatible Chitosan Oligosaccharide Modified Gold Nanorods as Highly Effective Photothermal Agents for Ablation of Breast Cancer Cells. <i>Polymers</i> , 2018, 10, 232.	2.0	39
23	A heptameric peptide purified from <i>Spirulina</i> sp. gastrointestinal hydrolysate inhibits angiotensin I-converting enzyme- and angiotensin II-induced vascular dysfunction in human endothelial cells. <i>International Journal of Molecular Medicine</i> , 2017, 39, 1072-1082.	1.8	38
24	Synthesis of amine-polyglycidol functionalised Fe ₃ O ₄ @SiO ₂ nanocomposites for magnetic hyperthermia, pH-responsive drug delivery, and bioimaging applications. <i>RSC Advances</i> , 2016, 6, 110444-110453.	1.7	34
25	Synthesis and In Vitro Performance of Polypyrrole-Coated Iron-Platinum Nanoparticles for Photothermal Therapy and Photoacoustic Imaging. <i>Nanoscale Research Letters</i> , 2017, 12, 570.	3.1	34
26	Biofilm inhibition, modulation of virulence and motility properties by FeOOH nanoparticle in <i>Pseudomonas aeruginosa</i> . <i>Brazilian Journal of Microbiology</i> , 2019, 50, 791-805.	0.8	29
27	Chitosan-mediated facile green synthesis of size-controllable gold nanostars for effective photothermal therapy and photoacoustic imaging. <i>European Polymer Journal</i> , 2019, 118, 492-501.	2.6	29
28	Deep learning-based autonomous damage-sensitive feature extraction for impedance-based prestress monitoring. <i>Engineering Structures</i> , 2022, 259, 114172.	2.6	28
29	Chitosan oligosaccharide coated mesoporous silica nanoparticles for pH-stimuli responsive drug delivery applications. <i>Journal of Porous Materials</i> , 2019, 26, 217-226.	1.3	25
30	In vivo photoacoustic monitoring using 700-nm region Raman source for targeting Prussian blue nanoparticles in mouse tumor model. <i>Scientific Reports</i> , 2018, 8, 2000.	1.6	23
31	Photothermal Responsive Porous Membrane for Treatment of Infected Wound. <i>Polymers</i> , 2019, 11, 1679.	2.0	22
32	Synthesis of surface capped mesoporous silica nanoparticles for pH-stimuli responsive drug delivery applications. <i>MedChemComm</i> , 2017, 8, 1797-1805.	3.5	19
33	Crown ether triad modified core-shell magnetic mesoporous silica nanocarrier for pH-responsive drug delivery and magnetic hyperthermia applications. <i>New Journal of Chemistry</i> , 2017, 41, 10935-10947.	1.4	18
34	Fluorescence/photoacoustic imaging-guided nanomaterials for highly efficient cancer theragnostic agent. <i>Scientific Reports</i> , 2021, 11, 15943.	1.6	17
35	A Low-Cost Prestress Monitoring Method for Post-Tensioned RC Beam Using Piezoelectric-Based Smart Strand. <i>Buildings</i> , 2021, 11, 431.	1.4	15
36	Synthesis of Fe ₃ O ₄ modified mesoporous silica hybrid for pH-responsive drug delivery and magnetic hyperthermia applications. <i>Journal of Porous Materials</i> , 2018, 25, 1251-1264.	1.3	15

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37	A flexible, and wireless LED therapy patch for skin wound photomedicine with IoT-connected healthcare application. Flexible and Printed Electronics, 2021, 6, 045002.	1.5	10
38	Spontaneous Hinge-Bending Motions of Angiotensin I Converting Enzyme: Role in Activation and Inhibition. Molecules, 2020, 25, 1288.	1.7	9
39	Coating Chitosan Thin Shells: A Facile Technique to Improve Dispersion Stability of Magnetoliposomes. Journal of Nanoscience and Nanotechnology, 2018, 18, 583-590.	0.9	6
40	A portable device with low-power consumption for monitoring mouse vital signs during in vivo photoacoustic imaging and photothermal therapy. Physiological Measurement, 2020, 41, 125011.	1.2	6
41	Numerical Simulation of Single-Point Mount PZT-Interface for Admittance-Based Anchor Force Monitoring. Buildings, 2021, 11, 550.	1.4	6
42	Synthesis of urea-pyridyl ligand functionalized mesoporous silica hybrid material for hydrophobic and hydrophilic drug delivery application. Journal of Porous Materials, 2018, 25, 119-128.	1.3	5
43	Simple, green, and low-temperature method for preparation of palladium nanoparticles with controllable sizes and their characterizations. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	5
44	Design, Fabrication, and Evaluation of Multifocal Point Transducer for High-Frequency Ultrasound Applications. Sensors, 2019, 19, 609.	2.1	4
45	Correction: Prussian blue decorated mesoporous silica hybrid nanocarriers for photoacoustic imaging-guided synergistic chemo-photothermal combination therapy. Journal of Materials Chemistry B, 2018, 6, 5476-5477.	2.9	3
46	The Multifunctional Roles of Chitosan in the Formation of Flower-Shaped Palladium Nanoparticles. Materials Proceedings, 2021, 3, 18.	0.2	1
47	Nanostructured Materials and Their Biomedical Application. , 2019, , 205-227.		1
48	A Green Method to Synthesize Size-Controllable Gold Nanostars for Photothermal Therapy and Photoacoustic Imaging. Biology and Life Sciences Forum, 2021, 7, .	0.6	1
49	Recent Progress on Nanostructured Materials for Biomedical Applications. Environmental and Microbial Biotechnology, 2021, , 349-373.	0.4	0
50	Gating Mechanism of Hv1 Studied by Molecular Dynamic Simulations. Materials Proceedings, 2021, 4, 20.	0.2	0
51	A Novel One-Step Green Method to Synthesis of Palladium Nanoparticles. Materials Proceedings, 2021, 4, 57.	0.2	0
52	Development of Photothermal Membrane for Treatment of Infected Wound: A Proof-of-Concept. Biology and Life Sciences Forum, 2021, 7, .	0.6	0
53	Gating Mechanism of the Voltage-Gated Proton Channel Studied by Molecular Dynamics Simulations. Molecules, 2022, 27, 2277.	1.7	0