

# Dai Hai Nguyen

## List of Publications by Citations

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94  
papers

1,618  
citations

23  
h-index

36  
g-index

98  
ext. papers

2,046  
ext. citations

3.5  
avg. IF

5.34  
L-index

#	Paper	IF	Citations
94	The Importance of Poly(ethylene glycol) Alternatives for Overcoming PEG Immunogenicity in Drug Delivery and Bioconjugation. <i>Polymers</i> , <b>2020</b> , 12,	4.5	178
93	Functionalized mesoporous silica nanoparticles and biomedical applications. <i>Materials Science and Engineering C</i> , <b>2019</b> , 99, 631-656	8.3	81
92	Optimization of Microwave-Assisted Extraction of Essential Oil from Vietnamese Basil ( <i>Ocimum basilicum</i> L.) Using Response Surface Methodology. <i>Processes</i> , <b>2018</b> , 6, 206	2.9	66
91	The Study on Extraction Process and Analysis of Components in Essential Oils of Black Pepper ( <i>Piper nigrum</i> L.) Seeds Harvested in Gia Lai Province, Vietnam. <i>Processes</i> , <b>2019</b> , 7, 56	2.9	60
90	In situ forming gelatin hydrogels by dual-enzymatic cross-linking for enhanced tissue adhesiveness. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 757-764	7.3	46
89	Hierarchical self-assembly of magnetic nanoclusters for theranostics: Tunable size, enhanced magnetic resonance imaging, and controlled and targeted drug delivery. <i>Acta Biomaterialia</i> , <b>2016</b> , 35, 109-17	10.8	45
88	Extraction Process of Essential Oil from <i>Plectranthus amboinicus</i> Using Microwave-Assisted Hydrodistillation and Evaluation of Its Antibacterial Activity. <i>Asian Journal of Chemistry</i> , <b>2019</b> , 31, 977-984	4	41
87	Low systemic toxicity nanocarriers fabricated from heparin-mPEG and PAMAM dendrimers for controlled drug release. <i>Materials Science and Engineering C</i> , <b>2018</b> , 82, 291-298	8.3	41
86	Hierarchical self-assembly of heparin-PEG end-capped porous silica as a redox sensitive nanocarrier for doxorubicin delivery. <i>Materials Science and Engineering C</i> , <b>2017</b> , 70, 947-954	8.3	38
85	Bioreducible cross-linked Pluronic micelles: pH-triggered release of doxorubicin and folate-mediated cellular uptake. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2013</b> , 28, 341-354	2	37
84	Targeted doxorubicin nanotherapy strongly suppressing growth of multidrug resistant tumor in mice. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 495, 329-335	6.5	35
83	Recent advances and prospects of computational methods for metabolite identification: a review with emphasis on machine learning approaches. <i>Briefings in Bioinformatics</i> , <b>2019</b> , 20, 2028-2043	13.4	35
82	Tetronic-grafted chitosan hydrogel as an injectable and biocompatible scaffold for biomedical applications. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2013</b> , 24, 1636-48	3.5	34
81	Targeting ligand-functionalized and redox-sensitive heparin-Pluronic nanogels for intracellular protein delivery. <i>Biomedical Materials (Bristol)</i> , <b>2011</b> , 6, 055004	3.5	34
80	Functional Magnetic Core-Shell System-Based Iron Oxide Nanoparticle Coated with Biocompatible Copolymer for Anticancer Drug Delivery. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	31
79	Synthesis and antifungal activity of chitosan-silver nanocomposite synergize fungicide against <i>Phytophthora capsici</i> . <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2019</b> , 56, 522-528	2.2	31
78	Development and In Vitro Evaluation of Liposomes Using Soy Lecithin to Encapsulate Paclitaxel. <i>International Journal of Biomaterials</i> , <b>2017</b> , 2017, 8234712	3.2	30

77	Green Silver Nanoparticles Formed by and Leaf Extracts and the Antifungal Activity. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	29
76	Enzyme-mediated fabrication of an oxidized chitosan hydrogel as a tissue sealant. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2015</b> , 30, 412-423	2	27
75	Injectable Hydrogel Composite Based Gelatin-PEG and Biphasic Calcium Phosphate Nanoparticles for Bone Regeneration. <i>Journal of Electronic Materials</i> , <b>2016</b> , 45, 2415-2422	1.9	26
74	Preparation, Characterization and Antifungal Properties of Chitosan-Silver Nanoparticles Synergize Fungicide Against. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 5299-5305	1.3	26
73	Heparin nanogel-containing liposomes for intracellular RNase delivery. <i>Macromolecular Research</i> , <b>2015</b> , 23, 765-769	1.9	24
72	Evolution and present scenario of multifunctionalized mesoporous nanosilica platform: A mini review. <i>Materials Science and Engineering C</i> , <b>2018</b> , 91, 912-928	8.3	22
71	In Vivo Study of the Antibacterial Chitosan/Polyvinyl Alcohol Loaded with Silver Nanoparticle Hydrogel for Wound Healing Applications. <i>International Journal of Polymer Science</i> , <b>2019</b> , 2019, 1-10	2.4	21
70	Biocompatible nanomaterials based on dendrimers, hydrogels and hydrogel nanocomposites for use in biomedicine. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , <b>2017</b> , 8, 015001	1.6	20
69	A comprehensive review on polymeric hydrogel and its composite: Matrices of choice for bone and cartilage tissue engineering. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2020</b> , 89, 58-82	6.3	20
68	Self-Assemblable Polymer Smart-Blocks for Temperature-Induced Injectable Hydrogel in Biomedical Applications. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 19	5	20
67	Modified Carboxyl-Terminated PAMAM Dendrimers as Great Cytocompatible Nano-Based Drug Delivery System. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	19
66	Synergistic antifungal effect of fungicide and chitosan-silver nanoparticles on <i>Neoscytalidium dimidiatum</i> . <i>Green Processing and Synthesis</i> , <b>2018</b> , 7, 132-138	3.9	19
65	Preparation of the Cationic Dendrimer-Based Hydrogels for Controlled Heparin Release. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2015</b> , 52, 830-837	2.2	18
64	Redox and pH Responsive Poly (Amidoamine) Dendrimer-Heparin Conjugates via Disulfide Linkages for Letrozole Delivery. <i>BioMed Research International</i> , <b>2017</b> , 2017, 8589212	3	18
63	Efficient Self-Assembly of mPEG End-Capped Porous Silica as a Redox-Sensitive Nanocarrier for Controlled Doxorubicin Delivery. <i>International Journal of Biomaterials</i> , <b>2018</b> , 2018, 1575438	3.2	17
62	Self-assembled poly(ethylene glycol) methyl ether-grafted gelatin nanogels for efficient delivery of curcumin in cancer treatment. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47544	2.9	16
61	Partial Surface Modification of Low Generation Polyamidoamine Dendrimers: Gaining Insight into their Potential for Improved Carboplatin Delivery. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	16
60	Evaluation of Factors Affecting Antimicrobial Activity of Bacteriocin from Microencapsulated in Alginate-Gelatin Capsules and Its Application on Pork Meat as a Bio-Preservative. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	16

59	Investigation of Chitosan Nanoparticles Loaded with Protocatechuic Acid (PCA) for the Resistance of Fungus against Rice Blast. <i>Polymers</i> , <b>2019</b> , 11,	4.5	16
58	Magnetic properties of Cr doped Fe <sub>3</sub> O <sub>4</sub> porous nanoparticles prepared through a co-precipitation method using surfactant. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , <b>2014</b> , 5, 035017	1.6	16
57	Enhanced tissue adhesiveness of injectable gelatin hydrogels through dual catalytic activity of horseradish peroxidase. <i>Biopolymers</i> , <b>2018</b> , 109, e23077	2.2	15
56	New oligochitosan-nanosilica hybrid materials: preparation and application on chili plants for resistance to anthracnose disease and growth enhancement. <i>Polymer Journal</i> , <b>2017</b> , 49, 861-869	2.7	14
55	Preparation and characterization of oxaliplatin drug delivery vehicle based on PEGylated half-generation PAMAM dendrimer. <i>Journal of Polymer Research</i> , <b>2019</b> , 26, 1	2.7	14
54	Green processing of thermosensitive nanocurcumin-encapsulated chitosan hydrogel towards biomedical application. <i>Green Processing and Synthesis</i> , <b>2016</b> , 5,	3.9	14
53	Development of new magnetic nanoparticles: Oligochitosan obtained by Frays and coated Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Applied Surface Science</i> , <b>2017</b> , 422, 863-868	6.7	13
52	PEGylated PAMAM dendrimers loading oxaliplatin with prolonged release and high payload without burst effect. <i>Biopolymers</i> , <b>2019</b> , 110, e23272	2.2	13
51	Surface PEGylation of hollow mesoporous silica nanoparticles via aminated intermediate. <i>Progress in Natural Science: Materials International</i> , <b>2019</b> , 29, 612-616	3.6	13
50	Silver Nanoparticles Ecofriendly Synthesized by <i>Achyranthes aspera</i> and <i>Scoparia dulcis</i> Leaf Broth as an Effective Fungicide. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2505	2.6	12
49	Methoxy polyethylene glycol-cholesterol modified soy lecithin liposomes for poorly water-soluble anticancer drug delivery. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 49858	2.9	12
48	Preparation, characterization, and antioxidant activity of water-soluble oligochitosan. <i>Green Processing and Synthesis</i> , <b>2017</b> , 6,	3.9	10
47	PEGylated poly(amidoamine) dendrimers-based drug loading vehicles for delivering carboplatin in treatment of various cancerous cells. <i>Journal of Nanoparticle Research</i> , <b>2019</b> , 21, 1	2.3	10
46	Fabrication of Polycaprolactone/Polyurethane Loading Conjugated Linoleic Acid and Its Antiplatelet Adhesion. <i>International Journal of Biomaterials</i> , <b>2017</b> , 2017, 5690625	3.2	10
45	Polymeric chitosan based nanogels as a potential platform for dual targeted drug delivery in cancer therapy. <i>International Journal of Nanotechnology</i> , <b>2018</b> , 15, 188	1.5	9
44	Aminated hollow mesoporous silica nanoparticles as an enhanced loading and sustained releasing carrier for doxorubicin delivery. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 309, 110543	5.3	9
43	Functionalization of Fe <sub>3</sub> O <sub>4</sub> nanoparticles with biodegradable chitosan-grafted-mPEG for paclitaxel delivery. <i>Green Processing and Synthesis</i> , <b>2016</b> , 5,	3.9	9
42	Application of Response Surface Methodology for the Optimization of Essential Oils from Pomelo [ <i>Citrus grandis</i> (L.) Osbeck] Leaves using Microwave-Assisted Hydrodistillation Method. <i>Asian Journal of Chemistry</i> , <b>2019</b> , 31, 1639-1642	0.4	8

41	Development and Characterization of Soy Lecithin Liposome as Potential Drug Carrier Systems for Codelivery of Letrozole and Paclitaxel. <i>Journal of Nanomaterials</i> , <b>2020</b> , 2020, 1-9	3.2	8
40	Cellulose supported promising magnetic sorbents for magnetic solid-phase extraction: A review. <i>Carbohydrate Polymers</i> , <b>2021</b> , 253, 117245	10.3	8
39	Functional Nanostructured Oligochitosan/Silica/ Carboxymethyl Cellulose Hybrid Materials: Synthesis and Investigation of Their Antifungal Abilities. <i>Polymers</i> , <b>2019</b> , 11,	4.5	7
38	Photochemical Synthesis of Silver Nanodecahedrons under Blue LED Irradiation and Their SERS Activity. <i>Processes</i> , <b>2020</b> , 8, 292	2.9	7
37	Gelatin-poly (ethylene glycol) methyl ether-functionalized porous Nanosilica for efficient doxorubicin delivery. <i>Journal of Polymer Research</i> , <b>2019</b> , 26, 1	2.7	7
36	Comparison of biogenic silver nanoparticles formed by Momordica charantia and Psidium guajava leaf extract and antifungal evaluation. <i>PLoS ONE</i> , <b>2020</b> , 15, e0239360	3.7	6
35	Fabrication process and characterization of AgNPs/PVA/cellulose as a SERS platform for in-situ detection of residual pesticides in fruit. <i>Materials Research Express</i> , <b>2020</b> , 7, 035019	1.7	5
34	Gelatin as an ecofriendly natural polymer for preparing colloidal silver@gold nanobranches. <i>Green Processing and Synthesis</i> , <b>2016</b> , 5,	3.9	5
33	Chemical Synthesis and Characterization of Poly(poly(ethylene glycol) methacrylate)-Grafted CdTe Nanocrystals via RAFT Polymerization for Covalent Immobilization of Adenosine. <i>Polymers</i> , <b>2019</b> , 11,	4.5	4
32	Effective Elimination of Charge-associated Toxicity of Low Generation Polyamidoamine Dendrimer Eases Drug Delivery of Oxaliplatin. <i>Biotechnology and Bioprocess Engineering</i> , <b>2020</b> , 25, 224-234	3.1	4
31	Supramolecular chemistry at interfaces: host-guest interactions for attaching PEG and 5-fluorouracil to the surface of porous nanosilica. <i>Green Processing and Synthesis</i> , <b>2016</b> , 5,	3.9	4
30	BIODEGRADABLE GELATIN DECORATED Fe <sub>3</sub> O <sub>4</sub> NANOPARTICLES FOR PACLITAXEL DELIVERY. <i>Science and Technology</i> , <b>2018</b> , 55, 7	1.5	4
29	A Facile Synthesis Process and Evaluations of Calcium Sulfate Hemihydrate for Bone Substitute. <i>Materials</i> , <b>2020</b> , 13,	3.5	4
28	Role of Collagen Concentration in Stability of Star-Shaped Silver@Gold Nanoparticles. <i>Journal of Nano Research</i> , <b>2016</b> , 40, 113-119	1	4
27	Retrovirus Drugs-Loaded PEGylated PAMAM for Prolonging Drug Release and Enhancing Efficiency in HIV Treatment.. <i>Polymers</i> , <b>2021</b> , 14,	4.5	3
26	A Systematic Study of the One-Pot Fabrication of Anisotropic Silver Nanoplates with Controllable Size and Shape for SERS Amplification. <i>Plasmonics</i> , <b>2020</b> , 15, 2185-2194	2.4	3
25	Response surface methodology modeling for methylene blue removal by chemically modified porous carbon: Adsorption mechanism and role of surface functional groups. <i>Separation Science and Technology</i> , <b>2021</b> , 56, 2232-2242	2.5	3
24	Synthesize and survey the drug loading efficiency of the porous nano silica modified by gelatin. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , <b>2019</b> , 10, 035017	1.6	2

23	Hydroquinone-Based Fabrication of Gold Nanorods with a High Aspect Ratio and LSPR Greater than 850 nm to Be Used as a Surface Plasmon Resonance Platform for Rapid Detection of Thiophanate Methyl. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 3654	2.6	2
22	Potential Application of Gold Nanospheres as a Surface Plasmon Resonance Based Sensor for In-Situ Detection of Residual Fungicides. <i>Sensors</i> , <b>2020</b> , 20,	3.8	2
21	Investigate the Effect of Thawing Process on the Self-Assembly of Silk Protein for Tissue Applications. <i>BioMed Research International</i> , <b>2017</b> , 2017, 4263762	3	2
20	Evaluation of saponin-rich/poor leaf extract-mediated silver nanoparticles and their antifungal capacity. <i>Green Processing and Synthesis</i> , <b>2020</b> , 9, 429-439	3.9	2
19	Nanoliposomes as an Efficient Drug Carrier System for Paclitaxel Delivery. <i>IFMBE Proceedings</i> , <b>2020</b> , 1936-196	2.6	2
18	The Physicochemical and Antifungal Properties of Eco-friendly Silver Nanoparticles Synthesized by Psidium guajava Leaf Extract in the Comparison With Tamarindus indica. <i>Journal of Cluster Science</i> , <b>2021</b> , 32, 601-611	3	2
17	Preparation and in vitro evaluation of PEGylated liposomes as effective nanocarrier for delivery of oxaliplatin. <i>Journal of Materials Research</i> , <b>2021</b> , 36, 475-486	2.5	2
16	Synthesis and characterization of starch/fiber-based bioplastic composites modified by citric acid-epoxidized palm oil oligomer with reactive blending. <i>Industrial Crops and Products</i> , <b>2021</b> , 170, 113797	5.9	2
15	Functionalizing Multifunctional Fe <sub>3</sub> O <sub>4</sub> Nanoparticle-Based Biocompatible, Magnetic and Photoluminescent Nanohybrids: Preparation and Characterization. <i>Asian Journal of Chemistry</i> , <b>2019</b> , 31, 767-772	0.4	1
14	Optimal Extraction Process and In Vivo Anti-Inflammatory Evaluation of High Purity Oily Oleoresin for Pharmaceutical Applications. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2021</b> , 2021, 8229607	2.3	1
13	Self-antibacterial chitosan/Aloe barbadensis Miller hydrogels releasing nitrite for biomedical applications. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 103, 175-186	6.3	1
12	Comparative study on the properties of starch-based bioplastics incorporated with palm oil and epoxidized palm oil. <i>Polymers and Polymer Composites</i> , <b>2022</b> , 30, 096739112210875	0.8	1
11	Development of softgel capsules containing cyclosporine a encapsulated pine essential oil based self-microemulsifying drug delivery system. <i>Journal of Drug Delivery Science and Technology</i> , <b>2022</b> , 68, 103115	4.5	0
10	Preparation of liposomal nanocarrier by extruder to enhance tumor accumulation of paclitaxel. <i>Journal of Bioactive and Compatible Polymers</i> , 088391152110539	2	0
9	Garcinia mangostana Shell and Tradescantia spathacea Leaf Extract- Mediated One-pot Synthesis of Silver Nanoparticles with Effective Antifungal Properties. <i>Current Nanoscience</i> , <b>2021</b> , 17, 762-771	1.4	0
8	Carboplatin delivery system based on poly(ethylene glycol) methyl ether cholesterol modified soy lecithin liposomes. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , <b>2020</b> , 11, 045016	1.6	0
7	Comparative Study of the Silver Nanoparticle Synthesis Ability and Antibacterial Activity of the Piper Betle L. and Piper Sarmentosum Roxb. Extracts. <i>Journal of Nanomaterials</i> , <b>2021</b> , 2021, 1-9	3.2	0
6	Preparation and Characterization of Redox-Sensitive Pluronic F127-Based Nanogel as Effective Nanocarrier for Drug Delivery. <i>IFMBE Proceedings</i> , <b>2020</b> , 189-192	0.2	0

5	Isolation, Characterization, and Biological Activities of Fucoidan Derived from <i>Ceratophyllum Submersum</i> L.. <i>Macromolecular Research</i> , <b>2022</b> , 30, 136-145	1.9	0
4	Porous Nanosilica Hybrids Biocompatible Polymer For Enhancing Anticancer Drugs Loading Efficiency And Targeted Delivery. <i>Materials Today: Proceedings</i> , <b>2019</b> , 18, 4157-4163	1.4	
3	Grafting of Poly(poly(ethylene glycol) methacrylate) onto Halloysite Nanotubes via Surface-Initiated Atom Transfer Radical Polymerization. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 927-931	1.3	
2	Engineering of Hollow Mesoporous Silica Nanoparticles Enhancing Drug-Loading Capacity. <i>IFMBE Proceedings</i> , <b>2020</b> , 197-201	0.2	
1	Development of topical gel containing Capsicum oleoresin encapsulated Tamanu nanocarrier and its analgesic and anti-inflammatory activities. <i>Materials Today Communications</i> , <b>2022</b> , 31, 103404	2.5	