

# Thai Thanh Hoang Thi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

95  
papers

3,126  
citations

29  
h-index

52  
g-index

101  
ext. papers

3,900  
ext. citations

6.3  
avg, IF

5.77  
L-index

#	Paper	IF	Citations
95	In situ graphene oxide-gelatin hydrogels with enhanced mechanical property for tissue adhesive and regeneration.. <i>Biochemical and Biophysical Research Communications</i> , <b>2022</b> , 592, 24-30	3.4	1
94	A Comparative Study of Enzyme-Mediated Crosslinking of Catechol- and Phenol-Functionalized Tetronic Hydrogels. <i>Macromolecular Research</i> , <b>2022</b> , 30, 190-197	1.9	1
93	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
92	Lipid-Based Nanoparticles in the Clinic and Clinical Trials: From Cancer Nanomedicine to COVID-19 Vaccines. <i>Vaccines</i> , <b>2021</b> , 9,	5.3	71
91	Three-Dimensional Printable Gelatin Hydrogels Incorporating Graphene Oxide to Enable Spontaneous Myogenic Differentiation.. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 426-432	6.6	10
90	Tunable and high tissue adhesive properties of injectable chitosan based hydrogels through polymer architecture modulation. <i>Carbohydrate Polymers</i> , <b>2021</b> , 261, 117810	10.3	9
89	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
88	Multifunctional surfaces through synergistic effects of heparin and nitric oxide release for a highly efficient treatment of blood-contacting devices. <i>Journal of Controlled Release</i> , <b>2021</b> , 329, 401-412	11.7	0
87	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
86	Tonsil-derived mesenchymal stem cells incorporated in reactive oxygen species-releasing hydrogel promote bone formation by increasing the translocation of cell surface GRP78. <i>Biomaterials</i> , <b>2021</b> , 278, 121156	15.6	0
85	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
84	Decellularized Porcine Epiphyseal Plate-Derived Extracellular Matrix Powder: Synthesis and Characterization. <i>Cells Tissues Organs</i> , <b>2020</b> , 209, 101-109	2.1	4
83	Green Silver Nanoparticles Formed by and Leaf Extracts and the Antifungal Activity. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	29
82	MSC-Encapsulating in Situ Cross-Linkable Gelatin Hydrogels To Promote Myocardial Repair.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 1646-1655	4.1	5
81	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
80	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
79	Silver Nanoparticles Ecofriendly Synthesized by Achyranthes aspera and Scoparia dulcis Leaf Broth as an Effective Fungicide. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2505	2.6	12

78	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
77	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
76	Horseradish peroxidase-catalyzed hydrogelation of fish gelatin with tunable mechanical properties and biocompatibility. <i>Journal of Biomaterials Applications</i> , <b>2020</b> , 34, 1216-1226	2.9	5
75	Enzymatically Crosslinkable Hyaluronic Acid-Gelatin Hybrid Hydrogels as Potential Bioinks for Tissue Regeneration. <i>Macromolecular Research</i> , <b>2020</b> , 28, 400-406	1.9	12
74	In situ forming and reactive oxygen species-scavenging gelatin hydrogels for enhancing wound healing efficacy. <i>Acta Biomaterialia</i> , <b>2020</b> , 103, 142-152	10.8	69
73	Calcium peroxide-mediated formation of multifunctional hydrogels with enhanced mesenchymal stem cell behaviors and antibacterial properties. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 11033-11043	7.3	7
72	Novel enzymatically crosslinked chitosan hydrogels with free-radical-scavenging property and promoted cellular behaviors under hyperglycemia. <i>Progress in Natural Science: Materials International</i> , <b>2020</b> , 30, 661-668	3.6	5
71	Comparison of biogenic silver nanoparticles formed by <i>Momordica charantia</i> and <i>Psidium guajava</i> leaf extract and antifungal evaluation. <i>PLoS ONE</i> , <b>2020</b> , 15, e0239360	3.7	6
70	Engineered Heterochronic Parabiosis in 3D Microphysiological System for Identification of Muscle Rejuvenating Factors. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002924	15.6	4
69	Soy Lecithin-Derived Liposomal Delivery Systems: Surface Modification and Current Applications. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	25
68	Functionalized mesoporous silica nanoparticles and biomedical applications. <i>Materials Science and Engineering C</i> , <b>2019</b> , 99, 631-656	8.3	81
67	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
66	Graphene oxide immobilized surfaces facilitate the sustained release of doxycycline for the prevention of implant related infection. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 181, 576-584	6	10
65	Engineered horseradish peroxidase-catalyzed hydrogels with high tissue adhesiveness for biomedical applications. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 78, 34-52	6.3	24
64	Oxidized Alginate Supplemented Gelatin Hydrogels for the In Situ Formation of Wound Dressing with High Antibacterial Activity. <i>Macromolecular Research</i> , <b>2019</b> , 27, 811-820	1.9	10
63	L. Essential Oil-Associated Polymeric Nano Dendrimer for Antifungal Activity against. <i>Materials</i> , <b>2019</b> , 12,	3.5	18
62	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
61	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

60	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
59	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
58	Supramolecular assembly of tetronic $\beta$ -damantane and poly( $\beta$ -cyclodextrin) as injectable shear-thinning hydrogels. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 3374-3382	7.3	22
57	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
56	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
55	Human hair keratin-based hydrogels as dynamic matrices for facilitating wound healing. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 73, 142-151	6.3	24
54	Recent Progress and Advances of Multi-Stimuli-Responsive Dendrimers in Drug Delivery for Cancer Treatment. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	35
53	Oxygen-generating alginate hydrogels as a bioactive acellular matrix for facilitating wound healing. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 69, 397-404	6.3	26
52	Nitric oxide-releasing injectable hydrogels with high antibacterial activity through in situ formation of peroxynitrite. <i>Acta Biomaterialia</i> , <b>2018</b> , 67, 66-78	10.8	47
51	Hydrogen Peroxide-Releasing Hydrogels for Enhanced Endothelial Cell Activities and Neovascularization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 18372-18379	9.5	27
50	Sustained release of parathyroid hormone via in situ cross-linking gelatin hydrogels improves the therapeutic potential of tonsil-derived mesenchymal stem cells for hypoparathyroidism. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2018</b> , 12, e1747-e1756	4.4	12
49	A novel calcium-accumulating peptide/gelatin in situ forming hydrogel for enhanced bone regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2018</b> , 106, 531-542	5.4	10
48	Tonsil-derived mesenchymal stem cell-embedded in situ crosslinkable gelatin hydrogel therapy recovers postmenopausal osteoporosis through bone regeneration. <i>PLoS ONE</i> , <b>2018</b> , 13, e0200111	3.7	14
47	Catechol-rich gelatin hydrogels in situ hybridizations with silver nanoparticle for enhanced antibacterial activity. <i>Materials Science and Engineering C</i> , <b>2018</b> , 92, 52-60	8.3	31
46	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
45	Microneedle Vascular Couplers with Heparin-Immobilized Surface Improve Suture-Free Anastomosis Performance. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 3848-3853	5.5	3
44	In Situ Cross-Linkable Hydrogels as a Dynamic Matrix for Tissue Regenerative Medicine. <i>Tissue Engineering and Regenerative Medicine</i> , <b>2018</b> , 15, 547-557	4.5	22
43	Enhanced articular cartilage regeneration with SIRT1-activated MSCs using gelatin-based hydrogel. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 866	9.8	13

42	Supramolecular Cyclodextrin Supplements to Improve the Tissue Adhesion Strength of Gelatin Bioglues. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 83-88	6.6	26
41	Synthesis and characterization of in situ gellable poly(glycerol sebacate)-co-poly(ethylene glycol) polymers. <i>Macromolecular Research</i> , <b>2017</b> , 25, 85-91	1.9	12
40	In Situ Forming and HO-Releasing Hydrogels for Treatment of Drug-Resistant Bacterial Infections. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 16890-16899	9.5	51
39	Tyrosinase-Mediated Surface Coimmobilization of Heparin and Silver Nanoparticles for Antithrombotic and Antimicrobial Activities. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 20376-20384	9.5	17
38	Optimized biodegradable polymeric reservoir-mediated local and sustained co-delivery of dendritic cells and oncolytic adenovirus co-expressing IL-12 and GM-CSF for cancer immunotherapy. <i>Journal of Controlled Release</i> , <b>2017</b> , 259, 115-127	11.7	39
37	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
36	Engineered extracellular microenvironment with a tunable mechanical property for controlling cell behavior and cardiomyogenic fate of cardiac stem cells. <i>Acta Biomaterialia</i> , <b>2017</b> , 50, 234-248	10.8	22
35	Heparin-functionalized polymer graft surface eluting MK2 inhibitory peptide to improve hemocompatibility and anti-neointimal activity. <i>Journal of Controlled Release</i> , <b>2017</b> , 266, 321-330	11.7	8
34	A hydrogel matrix prolongs persistence and promotes specific localization of an oncolytic adenovirus in a tumor by restricting nonspecific shedding and an antiviral immune response. <i>Biomaterials</i> , <b>2017</b> , 147, 26-38	15.6	29
33	Oxidized cyclodextrin-functionalized injectable gelatin hydrogels as a new platform for tissue-adhesive hydrophobic drug delivery. <i>RSC Advances</i> , <b>2017</b> , 7, 34053-34062	3.7	26
32	Zwitterionic sulfobetaine polymer-immobilized surface by simple tyrosinase-mediated grafting for enhanced antifouling property. <i>Acta Biomaterialia</i> , <b>2017</b> , 61, 169-179	10.8	29
31	Dual Enzyme-Triggered In Situ Crosslinkable Gelatin Hydrogels for Artificial Cellular Microenvironments. <i>Macromolecular Bioscience</i> , <b>2016</b> , 16, 1570-1576	5.5	20
30	Multiphoton imaging of myogenic differentiation in gelatin-based hydrogels as tissue engineering scaffolds. <i>Biomaterials Research</i> , <b>2016</b> , 20, 2	16.8	16
29	Enhanced Cellular Activity in Gelatin-Poly(Ethylene Glycol) Hydrogels without Compromising Gel Stiffness. <i>Macromolecular Bioscience</i> , <b>2016</b> , 16, 334-40	5.5	20
28	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
27	In situ forming gelatin/graphene oxide hydrogels for facilitated C2C12 myoblast differentiation. <i>Applied Spectroscopy Reviews</i> , <b>2016</b> , 51, 527-539	4.5	27
26	Cell recruiting chemokine-loaded sprayable gelatin hydrogel dressings for diabetic wound healing. <i>Acta Biomaterialia</i> , <b>2016</b> , 38, 59-68	10.8	100
25	Heparin nanogel-containing liposomes for intracellular RNase delivery. <i>Macromolecular Research</i> , <b>2015</b> , 23, 765-769	1.9	24

24	Injectable and mechanically robust 4-arm PPO-PEO/graphene oxide composite hydrogels for biomedical applications. <i>Chemical Communications</i> , <b>2015</b> , 51, 8876-9	5.8	28
23	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
22	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
21	Horseradish peroxidase-catalysed in situ-forming hydrogels for tissue-engineering applications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2015</b> , 9, 1225-32	4.4	78
20	In situ formation of enzyme-free hydrogels via ferromagnetic microbead-assisted enzymatic cross-linking. <i>Chemical Communications</i> , <b>2014</b> , 50, 13710-3	5.8	14
19	Macro/Nano-gel composite as an injectable and bioactive bulking material for the treatment of urinary incontinence. <i>Biomacromolecules</i> , <b>2014</b> , 15, 1979-84	6.9	21
18	Crosslinkable Gelatin Hydrogels for Vasculogenic Induction and Delivery of Mesenchymal Stem Cells. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 6771-6781	15.6	59
17	Enzyme-catalyzed in situ forming gelatin hydrogels as bioactive wound dressings: effects of fibroblast delivery on wound healing efficacy. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 7712-7718	7.3	60
16	In situ forming gelatin-based tissue adhesives and their phenolic content-driven properties. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 2407-2414	7.3	84
15	Therapeutic angiogenesis by a myoblast layer harvested by tissue transfer printing from cell-adhesive, thermosensitive hydrogels. <i>Biomaterials</i> , <b>2013</b> , 34, 8258-68	15.6	18
14	Facile surface PEGylation via tyrosinase-catalyzed oxidative reaction for the preparation of non-fouling surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 102, 585-9	6	10
13	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
12	Rapidly curable chitosan-PEG hydrogels as tissue adhesives for hemostasis and wound healing. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 3261-9	10.8	255
11	Electrospun microfibrillar PLGA meshes coated with in situ cross-linkable gelatin hydrogels for tissue regeneration. <i>Current Applied Physics</i> , <b>2012</b> , 12, S144-S149	2.6	6
10	Synthesis and characterizations of in situ cross-linkable gelatin and 4-arm-PPO-PEO hybrid hydrogels via enzymatic reaction for tissue regenerative medicine. <i>Biomacromolecules</i> , <b>2012</b> , 13, 604-11	6.9	69
9	In situ SVVYGLR peptide conjugation into injectable gelatin-poly(ethylene glycol)-tyramine hydrogel via enzyme-mediated reaction for enhancement of endothelial cell activity and neo-vascularization. <i>Bioconjugate Chemistry</i> , <b>2012</b> , 23, 2042-50	6.3	45
8	Transfer Printing of Cell Layers with an Anisotropic Extracellular Matrix Assembly using Cell-Interactive and Thermosensitive Hydrogels. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 4060-4069	15.6	30
7	In situ forming and rutin-releasing chitosan hydrogels as injectable dressings for dermal wound healing. <i>Biomacromolecules</i> , <b>2011</b> , 12, 2872-80	6.9	198

6	Facile surface immobilization of cell adhesive peptide onto TiO <sub>2</sub> substrate via tyrosinase-catalyzed oxidative reaction. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 15906		29
5	In situ cross-linkable gelatin-poly(ethylene glycol)-tyramine hydrogel via enzyme-mediated reaction for tissue regenerative medicine. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 13180		95
4	In situ hydrogelation and RGD conjugation of tyramine-conjugated 4-arm PPO-PEO block copolymer for injectable bio-mimetic scaffolds. <i>Soft Matter</i> , <b>2011</b> , 7, 986-992	3.6	51
3	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
2	In situ forming hydrogels based on tyramine conjugated 4-Arm-PPO-PEO via enzymatic oxidative reaction. <i>Biomacromolecules</i> , <b>2010</b> , 11, 706-12	6.9	139
1	Preparation of thermosensitive gelatin-pluronic copolymer for cartilage tissue engineering. <i>Macromolecular Research</i> , <b>2010</b> , 18, 387-391	1.9	29