Thai Thanh Hoang Thi

List of Publications by Year
in descending order

98 papers	4,723 citations	108046 37 h-index	120465 65 g-index
101 all docs	101 docs citations	101 times ranked	6733 citing authors

#	Article	IF	Citations
1	In situ graphene oxide-gelatin hydrogels with enhanced mechanical property for tissue adhesive and regeneration. Biochemical and Biophysical Research Communications, 2022, 592, 24-30.	1.0	17
2	Injectable gelatin-poly(ethylene glycol) adhesive hydrogels with highly hemostatic and wound healing capabilities. Journal of Industrial and Engineering Chemistry, 2022, 109, 372-383.	2.9	4
3	A Comparative Study of Enzyme-Mediated Crosslinking of Catechol- and Phenol-Functionalized Tetronic Hydrogels. Macromolecular Research, 2022, 30, 190-197.	1.0	6
4	In situ forming gelatin: Cyclodextrin hydrogels prepared by â€œclick chemistryâ€•to improve the sustained release of hydrophobic drugs. Journal of Bioactive and Compatible Polymers, 2022, 37, 252-266.	0.8	3
5	The Physicochemical and Antifungal Properties of Eco-friendly Silver Nanoparticles Synthesized by Psidium guajava Leaf Extract in the Comparison With Tamarindus indica. Journal of Cluster Science, 2021, 32, 601-611.	1.7	9
6	Multifunctional surfaces through synergistic effects of heparin and nitric oxide release for a highly efficient treatment of blood-contacting devices. Journal of Controlled Release, 2021, 329, 401-412.	4.8	10
7	Lipid-Based Nanoparticles in the Clinic and Clinical Trials: From Cancer Nanomedicine to COVID-19 Vaccines. Vaccines, 2021, 9, 359.	2.1	222
8	Three-Dimensional Printable Gelatin Hydrogels Incorporating Graphene Oxide to Enable Spontaneous Myogenic Differentiation. ACS Macro Letters, 2021, 10, 426-432.	2.3	34
9	Tunable and high tissue adhesive properties of injectable chitosan based hydrogels through polymer architecture modulation. Carbohydrate Polymers, 2021, 261, 117810.	5.1	33
10	Supramolecular Gels Incorporating Cordyline terminalis Leaf Extract as a Polyphenol Release Scaffold for Biomedical Applications. International Journal of Molecular Sciences, 2021, 22, 8759.	1.8	3
11	Self-antibacterial chitosan/Aloe barbadensis Miller hydrogels releasing nitrite for biomedical applications. Journal of Industrial and Engineering Chemistry, 2021, 103, 175-186.	2.9	9
12	Tonsil-derived mesenchymal stem cells incorporated in reactive oxygen species-releasing hydrogel promote bone formation by increasing the translocation of cell surface GRP78. Biomaterials, 2021, 278, 121156.	5.7	8
13	Garcinia mangostana Shell and Tradescantia spathacea Leaf Extract- Mediated One-pot Synthesis of Silver Nanoparticles with Effective Antifungal Properties. Current Nanoscience, 2021, 17, 762-771.	0.7	2
14	Horseradish peroxidase-catalyzed hydrogelation of fish gelatin with tunable mechanical properties and biocompatibility. Journal of Biomaterials Applications, 2020, 34, 1216-1226.	1.2	9
15	Enzymatically Crosslinkable Hyaluronic Acid-Gelatin Hybrid Hydrogels as Potential Bioinks for Tissue Regeneration. Macromolecular Research, 2020, 28, 400-406.	1.0	29
16	In situ forming and reactive oxygen species-scavenging gelatin hydrogels for enhancing wound healing efficacy. Acta Biomaterialia, 2020, 103, 142-152.	4.1	154
17	Calcium peroxide-mediated in situ formation of multifunctional hydrogels with enhanced mesenchymal stem cell behaviors and antibacterial properties. Journal of Materials Chemistry B, 2020, 8, 11033-11043.	2.9	23
18	Novel enzymatically crosslinked chitosan hydrogels with free-radical-scavenging property and promoted cellular behaviors under hyperglycemia. Progress in Natural Science: Materials International, 2020, 30, 661-668.	1.8	25

#	Article	IF	Citations
19	Comparison of biogenic silver nanoparticles formed by Momordica charantia and Psidium guajava leaf extract and antifungal evaluation. PLoS ONE, 2020, 15, e0239360.	1.1	25
20	Engineered Heterochronic Parabiosis in 3D Microphysiological System for Identification of Muscle Rejuvenating Factors. Advanced Functional Materials, 2020, 30, 2002924.	7.8	5
21	A comprehensive review on polymeric hydrogel and its composite: Matrices of choice for bone and cartilage tissue engineering. Journal of Industrial and Engineering Chemistry, 2020, 89, 58-82.	2.9	61
22	Decellularized Porcine Epiphyseal Plate-Derived Extracellular Matrix Powder: Synthesis and Characterization. Cells Tissues Organs, 2020, 209, 101-109.	1.3	4
23	Green Silver Nanoparticles Formed by Phyllanthus urinaria, Pouzolzia zeylanica, and Scoparia dulcis Leaf Extracts and the Antifungal Activity. Nanomaterials, 2020, 10, 542.	1.9	60
24	MSC-Encapsulating in Situ Cross-Linkable Gelatin Hydrogels To Promote Myocardial Repair. ACS Applied Bio Materials, 2020, 3, 1646-1655.	2.3	18
25	Self-Assemblable Polymer Smart-Blocks for Temperature-Induced Injectable Hydrogel in Biomedical Applications. Frontiers in Chemistry, 2020, 8, 19.	1.8	27
26	The Importance of Poly(ethylene glycol) Alternatives for Overcoming PEG Immunogenicity in Drug Delivery and Bioconjugation. Polymers, 2020, 12, 298.	2.0	384
27	Silver Nanoparticles Ecofriendly Synthesized by Achyranthes aspera and Scoparia dulcis Leaf Broth as an Effective Fungicide. Applied Sciences (Switzerland), 2020, 10, 2505.	1.3	20
28	Effective Elimination of Charge-associated Toxicity of Low Generation Polyamidoamine Dendrimer Eases Drug Delivery of Oxaliplatin. Biotechnology and Bioprocess Engineering, 2020, 25, 224-234.	1.4	7
29	Evaluation of saponin-rich/poor leaf extract-mediated silver nanoparticles and their antifungal capacity. Green Processing and Synthesis, 2020, 9, 429-439.	1.3	12
30	Soy Lecithin-Derived Liposomal Delivery Systems: Surface Modification and Current Applications. International Journal of Molecular Sciences, 2019, 20, 4706.	1.8	63
31	Functionalized mesoporous silica nanoparticles and biomedical applications. Materials Science and Engineering C, 2019, 99, 631-656.	3.8	133
32	Partial Surface Modification of Low Generation Polyamidoamine Dendrimers: Gaining Insight into their Potential for Improved Carboplatin Delivery. Biomolecules, 2019, 9, 214.	1.8	21
33	Graphene oxide immobilized surfaces facilitate the sustained release of doxycycline for the prevention of implant related infection. Colloids and Surfaces B: Biointerfaces, 2019, 181, 576-584.	2.5	14
34	Engineered horseradish peroxidase-catalyzed hydrogels with high tissue adhesiveness for biomedical applications. Journal of Industrial and Engineering Chemistry, 2019, 78, 34-52.	2.9	47
35	Oxidized Alginate Supplemented Gelatin Hydrogels for the In Situ Formation of Wound Dressing with High Antibacterial Activity. Macromolecular Research, 2019, 27, 811-820.	1.0	16
36	Origanum majorana L. Essential Oil-Associated Polymeric Nano Dendrimer for Antifungal Activity against Phytophthora infestans. Materials, 2019, 12, 1446.	1.3	29

#	Article	IF	Citations
37	Preparation and characterization of oxaliplatin drug delivery vehicle based on PEGylated half-generation PAMAM dendrimer. Journal of Polymer Research, 2019, 26, 1.	1.2	19
38	Modified Carboxyl-Terminated PAMAM Dendrimers as Great Cytocompatible Nano-Based Drug Delivery System. International Journal of Molecular Sciences, 2019, 20, 2016.	1.8	35
39	Functional Magnetic Core-Shell System-Based Iron Oxide Nanoparticle Coated with Biocompatible Copolymer for Anticancer Drug Delivery. Pharmaceutics, 2019, 11, 120.	2.0	44
40	Evaluation of Factors Affecting Antimicrobial Activity of Bacteriocin from Lactobacillus plantarum Microencapsulated in Alginate-Gelatin Capsules and Its Application on Pork Meat as a Bio-Preservative. International Journal of Environmental Research and Public Health, 2019, 16, 1017.	1.2	28
41	Supramolecular assembly of tetronicâ€“adamantane and poly(Î²-cyclodextrin) as injectable shear-thinning hydrogels. Journal of Materials Chemistry B, 2019, 7, 3374-3382.	2.9	43
42	PEGylated PAMAM dendrimers loading oxaliplatin with prolonged release and high payload without burst effect. Biopolymers, 2019, 110, e23272.	1.2	19
43	PEGylated poly(amidoamine) dendrimers-based drug loading vehicles for delivering carboplatin in treatment of various cancerous cells. Journal of Nanoparticle Research, 2019, 21, 1.	0.8	16
44	Human hair keratin-based hydrogels as dynamic matrices for facilitating wound healing. Journal of Industrial and Engineering Chemistry, 2019, 73, 142-151.	2.9	42
45	Recent Progress and Advances of Multi-Stimuli-Responsive Dendrimers in Drug Delivery for Cancer Treatment. Pharmaceutics, 2019, 11, 591.	2.0	56
46	Oxygen-generating alginate hydrogels as a bioactive acellular matrix for facilitating wound healing. Journal of Industrial and Engineering Chemistry, 2019, 69, 397-404.	2.9	64
47	Nitric oxide-releasing injectable hydrogels with high antibacterial activity through in situ formation of peroxynitrite. Acta Biomaterialia, 2018, 67, 66-78.	4.1	75
48	Hydrogen Peroxideâ€“Releasing Hydrogels for Enhanced Endothelial Cell Activities and Neovascularization. ACS Applied Materials & Interfaces, 2018, 10, 18372-18379.	4.0	38
49	Sustained release of parathyroid hormone via in situ crossâ€linking gelatin hydrogels improves the therapeutic potential of tonsilâ€derived mesenchymal stem cells for hypoparathyroidism. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e1747-e1756.	1.3	14
50	A novel calciumâ€accumulating peptide/gelatin in situ forming hydrogel for enhanced bone regeneration. Journal of Biomedical Materials Research - Part A, 2018, 106, 531-542.	2.1	16
51	Enhanced tissue adhesiveness of injectable gelatin hydrogels through dual catalytic activity of horseradish peroxidase. Biopolymers, 2018, 109, e23077.	1.2	26
52	Microneedle Vascular Couplers with Heparin-Immobilized Surface Improve Suture-Free Anastomosis Performance. ACS Biomaterials Science and Engineering, 2018, 4, 3848-3853.	2.6	4
53	In Situ Cross-Linkable Hydrogels as a Dynamic Matrix for Tissue Regenerative Medicine. Tissue Engineering and Regenerative Medicine, 2018, 15, 547-557.	1.6	29
54	Enhanced articular cartilage regeneration with SIRT1-activated MSCs using gelatin-based hydrogel. Cell Death and Disease, 2018, 9, 866.	2.7	18

#	Article	IF	Citations
55	Tonsil-derived mesenchymal stem cell-embedded in situ crosslinkable gelatin hydrogel therapy recovers postmenopausal osteoporosis through bone regeneration. PLoS ONE, 2018, 13, e0200111.	1.1	21
56	Catechol-rich gelatin hydrogels in situ hybridizations with silver nanoparticle for enhanced antibacterial activity. Materials Science and Engineering C, 2018, 92, 52-60.	3.8	46
57	Supramolecular Cyclodextrin Supplements to Improve the Tissue Adhesion Strength of Gelatin Bioglues. ACS Macro Letters, 2017, 6, 83-88.	2.3	32
58	Synthesis and characterization of in situ gellable poly(glycerol sebacate)-co-poly(ethylene glycol) polymers. Macromolecular Research, 2017, 25, 85-91.	1.0	15
59	In Situ Forming and H₂O₂-Releasing Hydrogels for Treatment of Drug-Resistant Bacterial Infections. ACS Applied Materials & Interfaces, 2017, 9, 16890-16899.	4.0	73
60	Tyrosinase-Mediated Surface Coimmobilization of Heparin and Silver Nanoparticles for Antithrombotic and Antimicrobial Activities. ACS Applied Materials & Interfaces, 2017, 9, 20376-20384.	4.0	21
61	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. Journal of Controlled Release, 2017, 259, 115-127.	4.8	68
62	In situ forming gelatin hydrogels by dual-enzymatic cross-linking for enhanced tissue adhesiveness. Journal of Materials Chemistry B, 2017, 5, 757-764.	2.9	68
63	Engineered extracellular microenvironment with a tunable mechanical property for controlling cell behavior and cardiomyogenic fate of cardiac stem cells. Acta Biomaterialia, 2017, 50, 234-248.	4.1	26
64	Heparin-functionalized polymer graft surface eluting MK2 inhibitory peptide to improve hemocompatibility and anti-neointimal activity. Journal of Controlled Release, 2017, 266, 321-330.	4.8	12
65	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. Biomaterials, 2017, 147, 26-38.	5.7	43
66	Oxidized cyclodextrin-functionalized injectable gelatin hydrogels as a new platform for tissue-adhesive hydrophobic drug delivery. RSC Advances, 2017, 7, 34053-34062.	1.7	39
67	Zwitterionic sulfobetaine polymer-immobilized surface by simple tyrosinase-mediated grafting for enhanced antifouling property. Acta Biomaterialia, 2017, 61, 169-179.	4.1	43
68	In situforming gelatin/graphene oxide hydrogels for facilitated C2C12 myoblast differentiation. Applied Spectroscopy Reviews, 2016, 51, 527-539.	3.4	31
69	Cell recruiting chemokine-loaded sprayable gelatin hydrogel dressings for diabetic wound healing. Acta Biomaterialia, 2016, 38, 59-68.	4.1	142
70	Dual Enzyme-Triggered In Situ Crosslinkable Gelatin Hydrogels for Artificial Cellular Microenvironments. Macromolecular Bioscience, 2016, 16, 1570-1576.	2.1	23
71	Multiphoton imaging of myogenic differentiation in gelatin-based hydrogels as tissue engineering scaffolds. Biomaterials Research, 2016, 20, 2.	3.2	20
72	Enhanced Cellular Activity in Gelatinâ€Poly(Ethylene Glycol) Hydrogels without Compromising Gel Stiffness. Macromolecular Bioscience, 2016, 16, 334-340.	2.1	27

#	Article	IF	Citations
73	Hierarchical self-assembly of magnetic nanoclusters for theranostics: Tunable size, enhanced magnetic resonance imagability, and controlled and targeted drug delivery. Acta Biomaterialia, 2016, 35, 109-117.	4.1	52
74	Heparin nanogel-containing liposomes for intracellular RNase delivery. Macromolecular Research, 2015, 23, 765-769.	1.0	26
75	Injectable and mechanically robust 4-arm PPOâ€“PEO/graphene oxide composite hydrogels for biomedical applications. Chemical Communications, 2015, 51, 8876-8879.	2.2	31
76	Enzyme-mediated fabrication of an oxidized chitosan hydrogel as a tissue sealant. Journal of Bioactive and Compatible Polymers, 2015, 30, 412-423.	0.8	34
77	Targeted doxorubicin nanotherapy strongly suppressing growth of multidrug resistant tumor in mice. International Journal of Pharmaceutics, 2015, 495, 329-335.	2.6	42
78	Horseradish peroxidase-catalysedin situ-forming hydrogels for tissue-engineering applications. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 1225-1232.	1.3	102
79	In Situ Crosslinkable Gelatin Hydrogels for Vasculogenic Induction and Delivery of Mesenchymal Stem Cells. Advanced Functional Materials, 2014, 24, 6771-6781.	7.8	69
80	Enzyme-catalyzed in situ forming gelatin hydrogels as bioactive wound dressings: effects of fibroblast delivery on wound healing efficacy. Journal of Materials Chemistry B, 2014, 2, 7712-7718.	2.9	68
81	In situ formation of enzyme-free hydrogels via ferromagnetic microbead-assisted enzymatic cross-linking. Chemical Communications, 2014, 50, 13710-13713.	2.2	16
82	Macro/Nano-Gel Composite as an Injectable and Bioactive Bulking Material for the Treatment of Urinary Incontinence. Biomacromolecules, 2014, 15, 1979-1984.	2.6	25
83	In situ forming gelatin-based tissue adhesives and their phenolic content-driven properties. Journal of Materials Chemistry B, 2013, 1, 2407.	2.9	108
84	Therapeutic angiogenesis by a myoblast layer harvested by tissue transfer printing from cell-adhesive, thermosensitive hydrogels. Biomaterials, 2013, 34, 8258-8268.	5.7	19
85	Facile surface PEGylation via tyrosinase-catalyzed oxidative reaction for the preparation of non-fouling surfaces. Colloids and Surfaces B: Biointerfaces, 2013, 102, 585-589.	2.5	11
86	Bioreducible cross-linked Pluronic micelles: pH-triggered release of doxorubicin and folate-mediated cellular uptake. Journal of Bioactive and Compatible Polymers, 2013, 28, 341-354.	0.8	45
87	Rapidly curable chitosanâ€“PEG hydrogels as tissue adhesives for hemostasis and wound healing. Acta Biomaterialia, 2012, 8, 3261-3269.	4.1	309
88	Electrospun microfibrous PLGA meshes coated with in situ cross-linkable gelatin hydrogels for tissue regeneration. Current Applied Physics, 2012, 12, S144-S149.	1.1	8
89	Synthesis and Characterizations of In Situ Cross-Linkable Gelatin and 4-Arm-PPO-PEO Hybrid Hydrogels via Enzymatic Reaction for Tissue Regenerative Medicine. Biomacromolecules, 2012, 13, 604-611.	2.6	81
90	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. Bioconjugate Chemistry, 2012, 23, 2042-2050.	1.8	55

#	Article	IF	Citations
91	Transfer Printing of Cell Layers with an Anisotropic Extracellular Matrix Assembly using Cellâ€Interactive and Thermosensitive Hydrogels. Advanced Functional Materials, 2012, 22, 4060-4069.	7.8	33
92	Facile surface immobilization of cell adhesive peptide onto TiO2 substrate via tyrosinase-catalyzed oxidative reaction. Journal of Materials Chemistry, 2011, 21, 15906.	6.7	29
93	In situ cross-linkable gelatinâ€“poly(ethylene glycol)â€“tyramine hydrogel via enzyme-mediated reaction for tissue regenerative medicine. Journal of Materials Chemistry, 2011, 21, 13180.	6.7	107
94	In situ hydrogelation and RGDconjugation of tyramine-conjugated 4-arm PPOâ€“PEOblock copolymer for injectable bio-mimetic scaffolds. Soft Matter, 2011, 7, 986-992.	1.2	53
95	Targeting ligand-functionalized and redox-sensitive heparin-Pluronic nanogels for intracellular protein delivery. Biomedical Materials (Bristol), 2011, 6, 055004.	1.7	40
96	In Situ Forming and Rutin-Releasing Chitosan Hydrogels As Injectable Dressings for Dermal Wound Healing. Biomacromolecules, 2011, 12, 2872-2880.	2.6	233
97	Preparation of thermosensitive gelatin-pluronic copolymer for cartilage tissue engineering. Macromolecular Research, 2010, 18, 387-391.	1.0	32
98	In Situ Forming Hydrogels Based on Tyramine Conjugated 4-Arm-PPO-PEO via Enzymatic Oxidative Reaction. Biomacromolecules, 2010, 11, 706-712.	2.6	151