Hsin-Yi Lin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3066246/publications.pdf

Version: 2024-02-01

54 papers	1,854 citations	218381 26 h-index	264894 42 g-index
54 all docs	54 docs citations	54 times ranked	2792 citing authors

#	Article	IF	Citations
1	Preparation and evaluation of the electrospun chitosan/PEO fibers for potential applications in cartilage tissue engineering. Journal of Biomaterials Science, Polymer Edition, 2005, 16, 861-873.	1.9	179
2	The discovery of potential acetylcholinesterase inhibitors: A combination of pharmacophore modeling, virtual screening, and molecular docking studies. Journal of Biomedical Science, 2011, 18, 8.	2.6	137
3	Crosslinked chitosan: Its physical properties and the effects of matrix stiffness on chondrocyte cell morphology and proliferation. Journal of Biomedical Materials Research - Part A, 2005, 75A, 742-753.	2.1	132
4	Changes in the surface oxide composition of Coâ€“Crâ€“Mo implant alloy by macrophage cells and their released reactive chemical species. Biomaterials, 2004, 25, 1233-1238.	5.7	86
5	Pectin-chitosan-PVA nanofibrous scaffold made by electrospinning and its potential use as a skin tissue scaffold. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 470-484.	1.9	84
6	Development of a sensitive long-wavelength fluorogenic probe for nitroreductase: A new fluorimetric indictor for analyte determination by dehydrogenase-coupled biosensors. Biosensors and Bioelectronics, 2011, 26, 3511-3516.	5.3	54
7	Metallurgical, surface, and corrosion analysis of Niâ€“Cr dental casting alloys before and after porcelain firing. Dental Materials, 2008, 24, 378-385.	1.6	52
8	Molecular Dynamics Simulations to Investigate the Aggregation Behaviors of the AÃŸ(17â€“42) Oligomers. Journal of Biomolecular Structure and Dynamics, 2009, 26, 481-490.	2.0	49
9	Colorimetric and bare-eye determination of fluoride using gold nanoparticle agglomeration probes. Mikrochimica Acta, 2013, 180, 801-806.	2.5	48
10	In vitro effects of low frequency electromagnetic fields on osteoblast proliferation and maturation in an inflammatory environment. Bioelectromagnetics, 2011, 32, 552-560.	0.9	46
11	Real-time tracking and quantification of endogenous hydrogen peroxide production in living cells using graphenated carbon nanotubes supported Prussian blue cubes. Sensors and Actuators B: Chemical, 2018, 257, 220-227.	4.0	46
12	In vitro biocorrosion of CoÃ”Â£Ã¸CrÃ”Â£Ã¸Mo implant alloy by macrophage cells. Journal of Orthopaedic Research, 2004, 22, 1231-1236.	1.2	45
13	Chitosan-based hydrogel tissue scaffolds made by 3D plotting promotes osteoblast proliferation and mineralization. Biomedical Materials (Bristol), 2015, 10, 035004.	1.7	45
14	Controlled release of pentoxifylline from porous chitosan-pectin scaffolds. Drug Delivery, 2010, 17, 313-321.	2.5	42
15	Collagen-PVA aligned nanofiber on collagen sponge as bi-layered scaffold for surface cartilage repair. Journal of Biomaterials Science, Polymer Edition, 2017, 28, 664-678.	1.9	42
16	Real-time quantification of hydrogen peroxide production in living cells using NiCo2S4@CoS2 heterostructure. Sensors and Actuators B: Chemical, 2019, 287, 124-130.	4.0	42
17	Fucoidan and Fucoxanthin Attenuate Hepatic Steatosis and Inflammation of NAFLD through Modulation of Leptin/Adiponectin Axis. Marine Drugs, 2021, 19, 148.	2.2	41
18	Ratiometric electrochemical molecular switch for sensing hypochlorous acid: Applicable in food analysis and real-time in-situ monitoring. Analytica Chimica Acta, 2020, 1106, 168-175.	2.6	39

#	Article	IF	Citations
19	Controlled-release of free bacteriophage nanoparticles from 3D-plotted hydrogel fibrous structure as potential antibacterial wound dressing. Journal of Controlled Release, 2021, 331, 154-163.	4.8	38
20	Alginate-crosslinked chitosan scaffolds as pentoxifylline delivery carriers. Journal of Materials Science: Materials in Medicine, 2010, 21, 1611-1620.	1.7	36
21	ZnCo₂O₄ Nanoflowers Grown on Co₃O₄ Nanowire-Decorated Cu Foams for in Situ Profiling of H₂O₂ in Live Cells and Biological Media. ACS Applied Nano Materials, 2019, 2, 5049-5060.	2.4	34
22	Observation and Quantification of Gas Bubble Formation on a Mechanical Heart Valve. Journal of Biomechanical Engineering, 2000, 122, 304-309.	0.6	32
23	Chondrogenesis From Immortalized Human Mesenchymal Stem Cells: Comparison Between Collagen Gel and Pellet Culture Methods. Artificial Organs, 2008, 32, 561-566.	1.0	31
24	Characterization of electrospun nanofiber matrices made of collagen blends as potential skin substitutes. Biomedical Materials (Bristol), 2013, 8, 025009.	1.7	31
25	Fibrous hydrogel scaffolds with cells embedded in the fibers as a potential tissue scaffold for skin repair. Journal of Materials Science: Materials in Medicine, 2014, 25, 259-269.	1.7	28
26	Molecular Dynamics Simulations to Gain Insights into the Stability and Morphologies of K3 Oligomers from Î²2-microglobulin. Journal of Biomolecular Structure and Dynamics, 2009, 26, 549-559.	2.0	27
27	Locally Applied Stem Cell Exosome-Scaffold Attenuates Nerve Injury-Induced Pain in Rats . Journal of Pain Research, 2020, Volume 13, 3257-3268.	0.8	26
28	Tri-layered chitosan scaffold as a potential skin substitute. Journal of Biomaterials Science, Polymer Edition, 2015, 26, 855-867.	1.9	25
29	Changes in surface composition of the Tiâ€“6Alâ€“4V implant alloy by cultured macrophage cells. Applied Surface Science, 2004, 225, 21-28.	3.1	24
30	The influence of operating parameters on the drug release and anti-bacterial performances of alginate wound dressings prepared by three-dimensional plotting. Materials Science and Engineering C, 2012, 32, 2491-2500.	3.8	24
31	Osteoblast differentiation and phenotype expressions on chitosan-coated Ti-6Al-4V. Carbohydrate Polymers, 2013, 97, 618-626.	5.1	24
32	Osteogenic effects of inductive coupling magnetism from magnetic 3D printed hydrogel scaffold. Journal of Magnetism and Magnetic Materials, 2020, 504, 166680.	1.0	24
33	In vitro biocorrosion of Ti-6Al-4V implant alloy by a mouse macrophage cell line. Journal of Biomedical Materials Research Part B, 2004, 68A, 717-724.	3.0	23
34	Threeâ€dimensional plotted alginate fibers embedded with diclofenac and bone cells coated with chitosan for bone regeneration during inflammation. Journal of Biomedical Materials Research - Part A, 2018, 106, 1511-1521.	2.1	23
35	Low-Frequency Electromagnetic Field Exposure Accelerates Chondrocytic Phenotype Expression on Chitosan Substrate. Orthopedics, 2011, 34, 20.	0.5	23
36	RING Domains Functioning as E3 Ligases Reveal Distinct Structural Features: A Molecular Dynamics Simulation Study. Journal of Biomolecular Structure and Dynamics, 2008, 26, 65-73.	2.0	22

#	Article	IF	Citations
37	Can low frequency electromagnetic field help cartilage tissue engineering?. Journal of Biomedical Materials Research - Part A, 2010, 92A, 843-851.	2.1	20
38	Repairing large bone fractures with low frequency electromagnetic fields. Journal of Orthopaedic Research, 2010, 28, 265-270.	1.2	20
39	The influence of operating parameters on the drug release and antibacterial performances of alginate fibrous dressings prepared by wet spinning. Biomatter, 2012, 2, 321-328.	2.6	16
40	Artificial neural network to predict the growth of the indigenous Acidthiobacillus thiooxidans. Chemical Engineering Journal, 2008, 137, 231-237.	6.6	15
41	Modifications of alginate-based scaffolds and characterizations of their pentoxifylline release properties. Carbohydrate Polymers, 2010, 80, 574-580.	5.1	13
42	Development of a novel latent electrochemical molecular substrate for the real-time monitoring of the tumor marker aminopeptidase N in live cells, whole blood and urine. Biosensors and Bioelectronics, 2022, 203, 114049.	5.3	13
43	Molecular Dynamics Simulations of Human Cystatin C and Its L68Q Varient to Investigate the Domain Swapping Mechanism. Journal of Biomolecular Structure and Dynamics, 2007, 25, 135-144.	2.0	11
44	Association of polyethylene friction and thermal unfolding of interfacial albumin molecules. Applied Surface Science, 2007, 253, 6896-6904.	3.1	11
45	Two types of bacteriophage-modified alginate hydrogels as antibacterial coatings for implants. Journal of the Taiwan Institute of Chemical Engineers, 2022, 134, 104353.	2.7	8
46	Genipin-crosslinked chitosan scaffolds and its efficacy in releasing anti-inflammatory medicine. Bio-Medical Materials and Engineering, 2012, 22, 321-332.	0.4	7
47	Insights into the structural stability and possible aggregation pathways of the LYQLEN peptides derived from human insulin. Journal of the Taiwan Institute of Chemical Engineers, 2011, 42, 394-401.	2.7	4
48	Non-RGD peptide H-ckrwwkwirw-NH2 grafting accentuates antibacterial and osteoinductive properties of biopolymer coating. Soft Materials, 2020, 18, 487-498.	0.8	4
49	Molecular dynamics simulations to investigate the relationship between the structural stability and amyloidogenesis of the wild-type and N-terminal hexapeptide deletion Î”N6 Î²2-microglobulin. Molecular Simulation, 2009, 35, 755-765.	0.9	3
50	Nanofibers grafted on titanium alloy: the effects of fiber alignment and density on osteoblast mineralization. Journal of Materials Science: Materials in Medicine, 2017, 28, 140.	1.7	2
51	Lytic Bacteriophage as a Biomaterial to Prevent Biofilm Formation and Promote Neural Growth. Tissue Engineering and Regenerative Medicine, 2022, 19, 987-1000.	1.6	2
52	Molecular Dynamics Simulations to Investigate the Effects of Zinc Ions on the Structural Stability of the c-Cbl RING Domain. Biotechnology Progress, 2007, 23, 0-0.	1.3	1
53	Semiempirical Molecular Orbital Studies of the Acylation Step in the Lipaseâ€Catalyzed Ester Hydrolysis. Journal of the Chinese Chemical Society, 2007, 54, 835-842.	0.8	0
54	Pharmacophore Mode lingand Virtual Screening to Design the Potential Influenza Virus Endonuclease Inhibitors. Journal of the Chinese Chemical Society, 2012, 59, 1430-1438.	0.8	0