

Chen-Yu Huang

List of Publications by Year in descending order

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38
papers

1,024
citations

623188

14
h-index

414034

32
g-index

38
all docs

38
docs citations

38
times ranked

1945
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Assembled Hexagonal Superparamagnetic Cone Structures for Fabrication of Cell Cluster Arrays. ACS Applied Materials & Interfaces, 2021, 13, 10667-10673.	4.0	3
2	Enhancement of human iPSC-derived cardiomyocyte maturation by chemical conditioning in a 3D environment. Journal of Molecular and Cellular Cardiology, 2020, 138, 1-11.	0.9	80
3	Rapid Prototyping of an Open-Surface Microfluidic Platform Using Wettability-Patterned Surfaces Prepared by an Atmospheric-Pressure Plasma Jet. ACS Omega, 2019, 4, 16292-16299.	1.6	19
4	Improvement of Maturation State of Human Induced Pluripotent Stem Cell-Derived 3D Cardiac Microtissues by Defined Chemical Factors. Biophysical Journal, 2019, 116, 464a-465a.	0.2	0
5	In vivo therapeutic applications of cell spheroids. Biotechnology Advances, 2018, 36, 494-505.	6.0	58
6	Role of virtual reality in congenital heart disease. Congenital Heart Disease, 2018, 13, 357-361.	0.0	67
7	Fabrication and Mechanical Properties Measurements of 3D Microtissues for the Study of Cell-Matrix Interactions. Methods in Molecular Biology, 2018, 1722, 303-328.	0.4	3
8	3D and 4D Bioprinting of the Myocardium: Current Approaches, Challenges, and Future Prospects. BioMed Research International, 2018, 2018, 1-11.	0.9	65
9	A Net Mold-based Method of Scaffold-free Three-Dimensional Cardiac Tissue Creation. Journal of Visualized Experiments, 2018, , .	0.2	4
10	3D bioprinting using stem cells. Pediatric Research, 2018, 83, 223-231.	1.1	179
11	Tissue engineered vascular grafts: current state of the field. Expert Review of Medical Devices, 2017, 14, 383-392.	1.4	61
12	pH-responsive magnetic micelles gelatin-g-poly(NIPAAm-co-DMAAm-co-UA)-g-dextran/Fe ₃ O ₄ as a hydrophilic drug carrier. RSC Advances, 2017, 7, 28207-28212.	1.7	9
13	Biomaterial-Free Three-Dimensional Bioprinting of Cardiac Tissue using Human Induced Pluripotent Stem Cell Derived Cardiomyocytes. Scientific Reports, 2017, 7, 4566.	1.6	197
14	Dextran-g-lauric acid as IKK complex inhibitor carrier. RSC Advances, 2017, 7, 56247-56255.	1.7	8
15	Intracellular Nanoparticle-Mediated Hyperthermia of Microscopic Tumours. , 2016, , .		0
16	Cell Manipulation Using Magnetic Honeycomb Structure. , 2016, , .		0
17	New Approach for Quantitative Single-Cell Analysis of Magnetic Labelling Efficacy. , 2016, , .		0
18	Magnetic Micro/Nano Structures for Biological Manipulation. Spin, 2016, 06, 1650005.	0.6	8

#	ARTICLE	IF	CITATIONS
19	Comparison of cell behavior on pva/pva-gelatin electrospun nanofibers with random and aligned configuration. Scientific Reports, 2016, 6, 37960.	1.6	110
20	Honeycomb-shaped magnetic multilayer thin films for cell trapping. RSC Advances, 2016, 6, 24299-24303.	1.7	4
21	Concentric Magnetic Structures for Magnetophoretic Bead Collection, Cell Trapping and Analysis of Cell Morphological Changes Caused by Local Magnetic Forces. PLoS ONE, 2015, 10, e0135299.	1.1	14
22	Biomimetic Surfaces: Anisotropic Wettability of Biomimetic Micro/Nano Dual-Scale Inclined Cones Fabricated by Ferrofluid-Molding Method (Adv. Funct. Mater. 18/2015). Advanced Functional Materials, 2015, 25, 2669-2669.	7.8	2
23	Cell Trapping by Local Magnetic Force Using Sinewave Magnetic Structure. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	2
24	Anisotropic Wettability of Biomimetic Micro/Nano Dual-Scale Inclined Cones Fabricated by Ferrofluid-Molding Method. Advanced Functional Materials, 2015, 25, 2670-2676.	7.8	33
25	Magnetic cantilever actuator with sharpened magnetic thin film ellipses. Journal of Applied Physics, 2015, 117, 17B740.	1.1	2
26	Cell culture arrays using micron-sized ferromagnetic ring-shaped thin films. Journal of Applied Physics, 2015, 117, 17B309.	1.1	3
27	Alternating magnetic field assisted magnetization reversal in ferromagnetic antidot. Journal of Applied Physics, 2014, 115, 17B906.	1.1	2
28	Comparing the magnetic property of shell thickness controlled of Ag-Ni core-shell nanoparticles. Journal of Applied Physics, 2014, 115, 17B528.	1.1	7
29	Surface plasmon induced enhancement with magneto-optical layer. Journal of Applied Physics, 2014, 115, 17E313.	1.1	3
30	Study of polyvinyl alcohol nanofibrous membrane by electrospinning as a magnetic nanoparticle delivery approach. Journal of Applied Physics, 2014, 115, 17B908.	1.1	5
31	Surface Roughness Effects on Magnetization Reversal of Magnetic Ring Elements. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	6
32	Thermoelectric Property of Nickel Nanowires Enhanced by Resistance. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	6
33	Optimization of Magnetic Labeling Process for Intracellular Hyperthermia in Cervical Cancer Cells. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	3
34	Compare Analysis for the Nanotoxicity Effects of Different Amounts of Endocytic Iron Oxide Nanoparticles at Single Cell Level. PLoS ONE, 2014, 9, e96550.	1.1	16
35	Single cell detection using 3D magnetic rolled-up structures. Lab on A Chip, 2013, 13, 4225.	3.1	17
36	Cell Patterning Using Magnetic Concentric Rectangular Thin Films for Biochip Application. IEEE Transactions on Magnetics, 2013, 49, 3496-3499.	1.2	5

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37	Cell Culture Arrangement Using Ferromagnetic Diamond-Shaped Thin Films. IEEE Transactions on Magnetics, 2013, 49, 3453-3455.	1.2	8
38	Anti-integrin and integrin detection using the heat dissipation of surface plasmon resonance. Applied Physics Letters, 2013, 102, .	1.5	15