Jong-Kai Hsiao

List of Publications by Year
in descending order

36	1,944	430874	361022
papers	citations	18 h-index	35 g-index

39	39	39	3484
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bifunctional Magnetic Silica Nanoparticles for Highly Efficient Human Stem Cell Labeling. Nano Letters, 2007, 7, 149-154.	9.1	486
2	The promotion of human mesenchymal stem cell proliferation by superparamagnetic iron oxide nanoparticles. Biomaterials, 2009, 30, 3645-3651.	11.4	305
3	Mesoporous Silica Nanoparticles as a Delivery System of Gadolinium for Effective Human Stem Cell Tracking. Small, 2008, 4, 1445-1452.	10.0	201
4	A New and Facile Method To Prepare Uniform Hollow MnO/Functionalized mSiO₂ Core/Shell Nanocomposites. ACS Nano, 2011, 5, 4177-4187.	14.6	130
5	Magnetic nanoparticle labeling of mesenchymal stem cells without transfection agent: Cellular behavior and capability of detection with clinical 1.5 T magnetic resonance at the single cell level. Magnetic Resonance in Medicine, 2007, 58, 717-724.	3.0	110
6	Macrophage physiological function after superparamagnetic iron oxide labeling. NMR in Biomedicine, 2008, 21, 820-829.	2.8	84
7	Antiferromagnetic Iron Nanocolloids: A New Generation in Vivo T₁ÂMRI Contrast Agent. Journal of the American Chemical Society, 2013, 135, 18621-18628.	13.7	61
8	In vivo magnetic resonance imaging of cell tropsim, trafficking mechanism, and therapeutic impact of human mesenchymal stem cells in a murine glioma model. Biomaterials, 2011, 32, 3275-3284.	11.4	58
9	Direct Labeling of hMSC with SPIO: the Long-Term Influence on Toxicity, Chondrogenic Differentiation Capacity, and Intracellular Distribution. Molecular Imaging and Biology, 2011, 13, 443-451.	2.6	55
10	Organic anionâ€transporting polypeptide 1B3 as a dual reporter gene for fluorescence and magnetic resonance imaging. FASEB Journal, 2018, 32, 1705-1715.	0.5	37
11	Polyethylene glycol-based biocompatible and highly stable superparamagnetic iron oxide nanoclusters for magnetic resonance imaging. Journal of Materials Chemistry, 2012, 22, 15160.	6.7	30
12	Oneâ€Step, Roomâ€Temperature Synthesis of Glutathioneâ€Capped Ironâ€Oxide Nanoparticles and their Application in In Vivo T₁â€Weighted Magnetic Resonance Imaging. Small, 2014, 10, 3962-3969.	10.0	30
13	Magnetic Resonance Imaging Detects Intestinal Barrier Dysfunction in a Rat Model of Acute Mesenteric Ischemia/Reperfusion Injury. Investigative Radiology, 2009, 44, 329-335.	6.2	27
14	In-vivo imaging of tumor associated urokinase-type plasminogen activator activity. Journal of Biomedical Optics, 2006, 11, 034013.	2.6	26
15	Infrared-active quadruple contrast FePt nanoparticles for multiple scale molecular imaging. Biomaterials, 2016, 85, 54-64.	11.4	26
16	Characterization of an iron oxide nanoparticle labelling and MRI-based protocol for inducing human mesenchymal stem cells into neural-like cells. Scientific Reports, 2017, 7, 3587.	3.3	23
17	Exposure of Macrophages to Low-Dose Gadolinium-Based Contrast Medium: Impact on Oxidative Stress and Cytokines Production. Contrast Media and Molecular Imaging, 2018, 2018, 1-10.	0.8	21
18	RBC-derived vesicles as a systemic delivery system of doxorubicin for lysosomal-mitochondrial axis-improved cancer therapy. Journal of Advanced Research, 2021, 30, 185-196.	9.5	20

#	Article	IF	Citations
19	Labeling of human mesenchymal stem cell: Comparison between paramagnetic and superparamagnetic agents. Journal of Applied Physics, 2009, 105, .	2.5	17
20	Indocyanine green: An old drug with novel applications. Tzu Chi Medical Journal, 2021, 33, 317.	1.1	16
21	Use of Indocyanine Green (ICG), a Medical Near Infrared Dye, for Enhanced Fluorescent Imagingâ€"Comparison of Organic Anion Transporting Polypeptide 1B3 (OATP1B3) and Sodium-Taurocholate Cotransporting Polypeptide (NTCP) Reporter Genes. Molecules, 2019, 24, 2295.	3.8	14
22	Co-precipitation Synthesis of Near-infrared Iron Oxide Nanocrystals on Magnetically Targeted Imaging and Photothermal Cancer Therapy via Photoablative Protein Denature. Nanotheranostics, 2019, 3, 236-254.	5.2	14
23	Mesoporous Silica Promoted Deposition of Bioinspired Polydopamine onto Contrast Agent: A Universal Strategy to Achieve Both Biocompatibility and Multiple Scale Molecular Imaging. Particle and Particle Systems Characterization, 2017, 34, 1600415.	2.3	13
24	Comparison of Micrometer and Nanometer Sized Magnetic Particles for Cell Labeling. IEEE Transactions on Magnetics, 2007, 43, 2421-2423.	2.1	12
25	Dextran-coated iron oxide nanoparticles turn protumor mesenchymal stem cells (MSCs) into antitumor MSCs. RSC Advances, 2016, 6, 45553-45561.	3.6	12
26	Ferucarbotran, a carboxydextran-coated superparamagnetic iron oxide nanoparticle, induces endosomal recycling, contributing to cellular and exosomal EGFR overexpression for cancer therapy. RSC Advances, 2015, 5, 89932-89939.	3.6	11
27	Role of Sodium Taurocholate Cotransporting Polypeptide as a New Reporter and Drug-Screening Platform: Implications for Preventing Hepatitis B Virus Infections. Molecular Imaging and Biology, 2020, 22, 313-323.	2.6	11
28	Bidirectional Enhancement of Cell Proliferation Between Iron Oxide Nanoparticle-Labeled Mesenchymal Stem Cells and Choroid Plexus in a Cell-Based Therapy Model of Ischemic Stroke . International Journal of Nanomedicine, 2020, Volume 15, 9181-9195.	6.7	9
29	Organic Anion Transporting Polypeptide 1B1 Is a Potential Reporter for Dual MR and Optical Imaging. International Journal of Molecular Sciences, 2021, 22, 8797.	4.1	8
30	Relaxation rates of protons in gadolinium chelates detected with a high-Tc superconducting quantum interference device in microtesla magnetic fields. Journal of Applied Physics, 2010, 108, 093904.	2.5	7
31	In vivo imaging of insulinâ€secreting human pancreatic ductal cells using MRI reporter gene technique: A feasibility study. Magnetic Resonance in Medicine, 2019, 82, 763-774.	3.0	7
32	MAGNETIC NANOPARTICLE LABELING OF CULTURED CANCER CELL LINE WITHOUT TRANSFECTION AGENT. Biomedical Engineering - Applications, Basis and Communications, 2008, 20, 259-265.	0.6	5
33	A multifunctional peptide for targeted imaging and chemotherapy for nasopharyngeal and breast cancers. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1425-1434.	3.3	5
34	Apical Sodium-Dependent Bile Acid Cotransporter, A Novel Transporter of Indocyanine Green, and Its Application in Drug Screening. International Journal of Molecular Sciences, 2020, 21, 2202.	4.1	3
35	Macromolecular diffusion in intact, degraded and crosslinking-augmented intervertebral discs. Journal of Biomechanical Science and Engineering, 2017, 12, 16-00629-16-00629.	0.3	0
36	Luminal glucose protects against ischemia/reperfusionâ€induced intestinal epithelial barrier defects in rats. FASEB Journal, 2008, 22, 1120.11.	0.5	0