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	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
2	Indocyanine green: An old drug with novel applications. Tzu Chi Medical Journal, 2021, 33, 317.	1.1	16
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	Dextran-coated iron oxide nanoparticles turn protumor mesenchymal stem cells (MSCs) into antitumor MSCs. RSC Advances, 2016, 6, 45553-45561.	3.6	12
16	Infrared-active quadruple contrast FePt nanoparticles for multiple scale molecular imaging. Biomaterials, 2016, 85, 54-64.	11.4	26
17	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
18	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

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19	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
20	Antiferromagnetic Iron Nanocolloids: A New Generation in Vivo T₁ÂMRI Contrast Agent. Journal of the American Chemical Society, 2013, 135, 18621-18628.	13.7	61
21	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
22	A New and Facile Method To Prepare Uniform Hollow MnO/Functionalized mSiO₂ Core/Shell Nanocomposites. ACS Nano, 2011, 5, 4177-4187.	14.6	130
23	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
24	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
25	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
26	Labeling of human mesenchymal stem cell: Comparison between paramagnetic and superparamagnetic agents. Journal of Applied Physics, 2009, 105, .	2.5	17
27	The promotion of human mesenchymal stem cell proliferation by superparamagnetic iron oxide nanoparticles. Biomaterials, 2009, 30, 3645-3651.	11.4	305
28	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
29	Mesoporous Silica Nanoparticles as a Delivery System of Gadolinium for Effective Human Stem Cell Tracking. Small, 2008, 4, 1445-1452.	10.0	201
30	Macrophage physiological function after superparamagnetic iron oxide labeling. NMR in Biomedicine, 2008, 21, 820-829.	2.8	84
31	MAGNETIC NANOPARTICLE LABELING OF CULTURED CANCER CELL LINE WITHOUT TRANSFECTION AGENT. Biomedical Engineering - Applications, Basis and Communications, 2008, 20, 259-265.	0.6	5
32	Luminal glucose protects against ischemia/reperfusionâ€induced intestinal epithelial barrier defects in rats. FASEB Journal, 2008, 22, 1120.11.	0.5	0
33	Bifunctional Magnetic Silica Nanoparticles for Highly Efficient Human Stem Cell Labeling. Nano Letters, 2007, 7, 149-154.	9.1	486
34	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
35	Comparison of Micrometer and Nanometer Sized Magnetic Particles for Cell Labeling. IEEE Transactions on Magnetics, 2007, 43, 2421-2423.	2.1	12
36	In-vivo imaging of tumor associated urokinase-type plasminogen activator activity. Journal of Biomedical Optics, 2006, 11, 034013.	2.6	26