Chalermchai Khemtong

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8127346/publications.pdf

Version: 2024-02-01

39 papers	3,238 citations	361413 20 h-index	361022 35 g-index
39 all docs	39 docs citations	39 times ranked	5624 citing authors

#	Article	IF	Citations
1	Multifunctional Polymeric Micelles as Cancer-Targeted, MRI-Ultrasensitive Drug Delivery Systems. Nano Letters, 2006, 6, 2427-2430.	9.1	1,180
2	Nanonization strategies for poorly water-soluble drugs. Drug Discovery Today, 2011, 16, 354-360.	6.4	525
3	MRI-Visible Micellar Nanomedicine for Targeted Drug Delivery to Lung Cancer Cells. Molecular Pharmaceutics, 2010, 7, 32-40.	4.6	175
4	Polymeric nanomedicine for cancer MR imaging and drug delivery. Chemical Communications, 2009, , 3497.	4.1	165
5	Î²-Lapachone Micellar Nanotherapeutics for Nonâ€“Small Cell Lung Cancer Therapy. Cancer Research, 2010, 70, 3896-3904.	0.9	135
6	Mitochondrial substrate utilization regulates cardiomyocyte cell-cycle progression. Nature Metabolism, 2020, 2, 167-178.	11.9	131
7	MOXI Is a Mitochondrial Micropeptide That Enhances Fatty Acid Î²-Oxidation. Cell Reports, 2018, 23, 3701-3709.	6.4	118
8	In vivo Off-Resonance Saturation Magnetic Resonance Imaging of Î±vÎ²3-Targeted Superparamagnetic Nanoparticles. Cancer Research, 2009, 69, 1651-1658.	0.9	94
9	A novel strategy for surface modification of superparamagnetic iron oxide nanoparticles for lung cancer imaging. Journal of Materials Chemistry, 2009, 19, 6367.	6.7	89
10	Hyperpolarized 15N-pyridine Derivatives as pH-Sensitive MRI Agents. Scientific Reports, 2015, 5, 9104.	3.3	86
11	Brain metabolism modulates neuronal excitability in a mouse model of pyruvate dehydrogenase deficiency. Science Translational Medicine, 2019, 11, .	12.4	53
12	Mitochondrial Substrate Utilization Regulates Cardiomyocyte Cell Cycle Progression. Nature Metabolism, 2020, 2, 167-178.	11.9	49
13	Lactate Dehydrogenase A Governs Cardiac Hypertrophic Growth in Response to Hemodynamic Stress. Cell Reports, 2020, 32, 108087.	6.4	43
14	Targeting hepatic pyruvate dehydrogenase kinases restores insulin signaling and mitigates ChREBP-mediated lipogenesis in diet-induced obese mice. Molecular Metabolism, 2018, 12, 12-24.	6.5	37
15	Investigation of In Vivo Targeting Kinetics of Î±_vÎ²₃-Specific Superparamagnetic Nanoprobes by Time-Resolved MRI. Theranostics, 2011, 1, 263-273.	10.0	36
16	Hyperpolarized ¹³C NMR detects rapid drugâ€induced changes in cardiac metabolism. Magnetic Resonance in Medicine, 2015, 74, 312-319.	3.0	35
17	The efficiency of DPPH as a polarising agent for DNP-NMR spectroscopy. RSC Advances, 2012, 2, 12812.	3.6	31
18	Photochemical Patterning of a Self-Assembled Monolayer of 7-Diazomethylcarbonyl-2,4,9-trithiaadmantane on Gold Films via Wolff Rearrangement. Langmuir, 2004, 20, 4933-4938.	3.5	26

#	Article	IF	Citations
19	A novel inhibitor of pyruvate dehydrogenase kinase stimulates myocardial carbohydrate oxidation in diet-induced obesity. Journal of Biological Chemistry, 2018, 293, 9604-9613.	3.4	24
20	In vivo angiogenesis imaging of solid tumors by Î±_vÎ²₃-targeted, dual-modality micellar nanoprobes. Experimental Biology and Medicine, 2010, 235, 957-965.	2.4	23
21	In vivo assessment of intracellular redox state in rat liver using hyperpolarized [1â€¹³C]Alanine. Magnetic Resonance in Medicine, 2017, 77, 1741-1748.	3.0	23
22	Off-resonance saturation MRI of superparamagnetic nanoprobes: Theoretical models and experimental validations. Journal of Magnetic Resonance, 2011, 209, 53-60.	2.1	16
23	Impact of Ho³⁺-doping on ¹³C dynamic nuclear polarization using trityl OX063 free radical. Physical Chemistry Chemical Physics, 2016, 18, 21351-21359.	2.8	16
24	Metabolism of hyperpolarized ¹³Câ€acetoacetate to Î²â€hydroxybutyrate detects realâ€time mitochondrial redox state and dysfunction in heart tissue. NMR in Biomedicine, 2019, 32, e4091.	2.8	16
25	Real-time hyperpolarized 13C magnetic resonance detects increased pyruvate oxidation in pyruvate dehydrogenase kinase 2/4â€“double knockout mouse livers. Scientific Reports, 2019, 9, 16480.	3.3	15
26	Influence of Dy3+ and Tb3+ doping on 13C dynamic nuclear polarization. Journal of Chemical Physics, 2017, 146, 014303.	3.0	14
27	Effects of deuteration on transamination and oxidation of hyperpolarized 13C-Pyruvate in the isolated heart. Journal of Magnetic Resonance, 2019, 301, 102-108.	2.1	14
28	The rate of lactate production from glucose in hearts is not altered by per-deuteration of glucose. Journal of Magnetic Resonance, 2017, 284, 86-93.	2.1	12
29	Probing carbohydrate metabolism using hyperpolarized ¹³Câ€labeled molecules. NMR in Biomedicine, 2019, 32, e4018.	2.8	11
30	Esterase-Catalyzed Production of Hyperpolarized ¹³C-Enriched Carbon Dioxide in Tissues for Measuring pH. ACS Sensors, 2018, 3, 2232-2236.	7.8	10
31	Rational Design of [¹³C,D₁₄]Tertâ€butylbenzene as a Scaffold Structure for Designing Longâ€lived Hyperpolarized ¹³C Probes. Chemistry - an Asian Journal, 2018, 13, 280-283.	3.3	8
32	Formation of an Inclusion Complex of a New Transition Metal Ligand in Î²-Cyclodextrin. Supramolecular Chemistry, 2005, 17, 335-341.	1.2	5
33	Off-resonance saturation magnetic resonance imaging of superparamagnetic polymeric micelles. , 2009, 2009, 4095-7.		5
34	Co-Polarized [1-¹³C]Pyruvate and [1,3-¹³C₂]Acetoacetate Provide a Simultaneous View of Cytosolic and Mitochondrial Redox in a Single Experiment. ACS Sensors, 2021, 6, 3967-3977.	7.8	5
35	Preparation and Application of Poly(Acrylic Acid-co-Acrylamide) on Scale and Corrosion Inhibition. Key Engineering Materials, 0, 824, 142-148.	0.4	4
36	Preparation of 7-azidocarbonyl-2,4,9-trithiaadamantane by a new thioacetal crown synthetic method. Journal of Sulfur Chemistry, 2005, 26, 105-109.	2.0	3

#	Article	IF	Citations
37	Synthesis of PAA-PAMPS-PNaSS Terpolymers as Ultraviolet-Tagged Scale Inhibitor for Industrial Water Cooling System. Key Engineering Materials, 0, 757, 68-72.	0.4	3
38	¹³Câ€Labeled Diethyl Ketoglutarate Derivatives as Hyperpolarized Probes of 2â€Ketoglutarate Dehydrogenase Activity. Analysis & Sensing, 2021, 1, 156-160.	2.0	3
39	Zinc Superparamagnetic Iron Oxide Nanoparticles for Use as MRI Contrast Agents. , 2007, , .		0