May Lim

List of Publications by Year
in descending order

21 papers	1,150 citations	567144 15 h-index	752573 20 g-index
24 all docs	24 docs citations	24 times ranked	2483 citing authors

#	Article	IF	Citations
1	Biologically Targeted Magnetic Hyperthermia: Potential and Limitations. Frontiers in Pharmacology, 2018, 9, 831.	1.6	340
2	Lanthanideâ€Doped Upconversion Nanoparticles: Emerging Intelligent Lightâ€Activated Drug Delivery Systems. Advanced Science, 2016, 3, 1500437.	5.6	179
3	Doxorubicin loaded dual pH- and thermo-responsive magnetic nanocarrier for combined magnetic hyperthermia and targeted controlled drug delivery applications. Nanoscale, 2016, 8, 12152-12161.	2.8	173
4	Polymerization of a Photocleavable Monomer Using Visible Light. Macromolecular Rapid Communications, 2016, 37, 905-910.	2.0	50
5	Controlled Direct Growth of Polymer Shell on Upconversion Nanoparticle Surface via Visible Light Regulated Polymerization. Macromolecules, 2017, 50, 7137-7147.	2.2	49
6	Effect of TiO2 nanoparticle surface functionalization on protein adsorption, cellular uptake and cytotoxicity: the attachment of PEG comb polymers using catalytic chain transfer and thiolâ€“ene chemistry. Polymer Chemistry, 2012, 3, 2743.	1.9	43
7	Biological impacts of TiO2 on human lung cell lines A549 and H1299: particle size distribution effects. Journal of Nanoparticle Research, 2011, 13, 3801-3813.	0.8	42
8	Spatial and temporal control of drug release through pH and alternating magnetic field induced breakage of Schiff base bonds. Polymer Chemistry, 2014, 5, 3311-3315.	1.9	39
9	Exploiting the Versatility of Polydopamineâ€Coated Nanoparticles to Deliver Nitric Oxide and Combat Bacterial Biofilm. Macromolecular Rapid Communications, 2018, 39, e1800159.	2.0	39
10	Synthesis of Lightâ€Responsive Pyreneâ€Based Polymer Nanoparticles via Polymerizationâ€Induced Selfâ€Assembly. Macromolecular Rapid Communications, 2019, 40, e1800510.	2.0	38
11	Surface functionalization of upconversion nanoparticles using visible light-mediated polymerization. Polymer, 2018, 151, 6-14.	1.8	32
12	Understanding the Formation of Iron Oxide Nanoparticles with Acicular Structure from Iron(III) Chloride and Hydrazine Monohydrate. Crystal Growth and Design, 2011, 11, 1689-1696.	1.4	31
13	Copper Complex in Poly(vinyl chloride) as a Nitric Oxide-Generating Catalyst for the Control of Nitrifying Bacterial Biofilms. ACS Applied Materials & Interfaces, 2015, 7, 22148-22156.	4.0	31
14	The effect of common bacterial growth media on zinc oxide thin films: identification of reaction products and implications for the toxicology of ZnO. RSC Advances, 2014, 4, 4363-4370.	1.7	15
15	Iron Complex Facilitated Copper Redox Cycling for Nitric Oxide Generation as Nontoxic Nitrifying Biofilm Inhibitor. ACS Applied Materials & Interfaces, 2016, 8, 30502-30510.	4.0	15
16	NIR/blue light emission optimization of NaY_{1â^'(x+y)}Yb_xF₄:Tm_y upconversion nanoparticles via Yb³⁺/Tm³⁺ dopant balancing. Dalton Transactions, 2018, 47, 8629-8637.	1.6	15
17	High peak and high average radiofrequency power transmit/receive switch for thermal magnetic resonance. Magnetic Resonance in Medicine, 2018, 80, 2246-2255.	1.9	9
18	Ferrous ion as a reducing agent in the generation of antibiofilm nitric oxide from a copper-based catalytic system. Nitric Oxide - Biology and Chemistry, 2018, 75, 8-15.	1.2	3

#	Article	IF	Citations
19	Effects of surface functional groups on the aggregation stability of magnetite nanoparticles in biological media containing serum. , 2011, , .		2
20	The Oxygen Reduction Reaction in Ferrofluids: Towards Membraneâ€less and Spillâ€less Gas Sensors. ChemPlusChem, 2014, 79, 1498-1506.	1.3	2
21	Macromol. Rapid Commun. 11/2016. Macromolecular Rapid Communications, 2016, 37, 940-940.	2.0	0