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Citation indices	All	Since 2012
Citations	13604	9335
h-index	59	48
i10-index	107	90

Title	1–20	Cited by	Year
Upconversion fluorescence imaging of cells and small animals using lanthanide doped nanocrystals	DK Chatterjee, AJ Rufaihah, Y Zhang Biomaterials 29 (7), 937-943	770	2008
Multicolor core/shell-structured upconversion fluorescent nanoparticles	Z Li, Y Zhang, S Jiang Advanced Materials 20 (24), 4765-4769	696	2008
Nanoparticles in photodynamic therapy: an emerging paradigm	DK Chatterjee, LS Fong, Y Zhang Advanced drug delivery reviews 60 (15), 1627-1637	635	2008
Luminescent nanomaterials for biological labelling	F Wang, WB Tan, Y Zhang, X Fan, M Wang Nanotechnology 17 (1), R1	593	2005
In vivo photodynamic therapy using upconversion nanoparticles as remote-controlled nanotransducers	NM Idris, MK Gnanasammandhan, J Zhang, PC Ho, R Mahendran, ... Nature medicine 18 (10), 1580-1585	552	2012
An efficient and user-friendly method for the synthesis of hexagonal-phase NaYF₄: Yb, Er/Tm nanocrystals with controllable shape and upconversion fluorescence	Z Li, Y Zhang Nanotechnology 19 (34), 345606	474	2008
Monodisperse silica-coated polyvinylpyrrolidone/NaYF₄ nanocrystals with multicolor upconversion fluorescence emission	Z Li, Y Zhang Angewandte Chemie 118 (46), 7896-7899	473	2006
Mesoporous-Silica-coated up-conversion fluorescent nanoparticles for photodynamic therapy	HS Qian, HC Guo, PCL Ho, R Mahendran, Y Zhang small 5 (20), 2285-2290	405	2009
Small upconverting fluorescent nanoparticles for biomedical applications	DK Chatterjee, MK Gnanasammandhan, Y Zhang Small 6 (24), 2781-2795	388	2010
Biocompatibility of silica coated NaYF₄ upconversion fluorescent nanocrystals		366	2008

Title	1–20	Cited by	Year
RA Jalil, Y Zhang Biomaterials 29 (30), 4122-4128			
Synthesis and characterization of macroporous chitosan/calcium phosphate composite scaffolds for tissue engineering Y Zhang, M Zhang Journal of biomedical materials research 55 (3), 304-312		357	2001
A simple and effective route for the synthesis of crystalline silver nanorods and nanowires JQ Hu, Q Chen, ZX Xie, GB Han, RH Wang, B Ren, Y Zhang, ZL Yang, ... Advanced Functional Materials 14 (2), 183-189		279	2004
Synthesis of polyethylenimine/NaYF₄ nanoparticles with upconversion fluorescence F Wang, DK Chatterjee, Z Li, Y Zhang, X Fan, M Wang Nanotechnology 17 (23), 5786		273	2006
Quantum-dot based nanoparticles for targeted silencing of HER2/neu gene via RNA interference WB Tan, S Jiang, Y Zhang Biomaterials 28 (8), 1565-1571		272	2007
Nanoparticles in photodynamic therapy SS Lucky, KC Soo, Y Zhang Chemical reviews 115 (4), 1990-2042		269	2015
Synthesis of hexagonal-phase core– shell NaYF₄ nanocrystals with tunable upconversion fluorescence HS Qian, Y Zhang Langmuir 24 (21), 12123-12125		267	2008
Bead-based microfluidic immunoassays: the next generation CT Lim, Y Zhang Biosensors and Bioelectronics 22 (7), 1197-1204		242	2007
Three-dimensional macroporous calcium phosphate bioceramics with nested chitosan sponges for load-bearing bone implants Y Zhang, M Zhang Journal of biomedical materials research 61 (1), 1-8		233	2002
Use of core/shell structured nanoparticles for biomedical applications N Sounderya, Y Zhang Recent Patents on Biomedical Engineering 1 (1), 34-42		214	2008
Calcium phosphate/chitosan composite scaffolds for controlled in vitro antibiotic drug release Y Zhang, M Zhang Journal of biomedical materials research 62 (3), 378-386		212	2002

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