Ming-Kiu Tsang

List of Publications by Citations

28 papers	2,021 citations	20 h-index	28 g-index
28 ext. papers	2,326 ext. citations	11.4 avg, IF	5.18 L-index

#	Paper	IF	Citations
28	Stimuli responsive upconversion luminescence nanomaterials and films for various applications. *Chemical Society Reviews*, **2015**, 44, 1585-607	58.5	277
27	PEG modified BaGdF□Yb/Er nanoprobes for multi-modal upconversion fluorescent, in vivo X-ray computed tomography and biomagnetic imaging. *Biomaterials*, **2012**, 33, 9232-8	15.6	221
26	Universal Strategy for HF-Free Facile and Rapid Synthesis of Two-dimensional MXenes as Multifunctional Energy Materials. *Journal of the American Chemical Society*, **2019**, 141, 9610-9616	16.4	208
25	Luminescent Ions in Advanced Composite Materials for Multifunctional Applications. *Advanced Functional Materials*, **2016**, 26, 6330-6350	15.6	165
24	Ultrasensitive Detection of Ebola Virus Oligonucleotide Based on Upconversion Nanoprobe/Nanoporous Membrane System. *ACS Nano*, **2016**, 10, 598-605	16.7	137
23	Upconversion luminescence resonance energy transfer (LRET)-based biosensor for rapid and ultrasensitive detection of avian influenza virus H7 subtype. *Small*, **2014**, 10, 2390-7	11	126
22	Tuning the Luminescence of Phosphors: Beyond Conventional Chemical Method. *Advanced Optical Materials*, **2015**, 3, 431-462	8.1	110
21	A graphene quantum dot@FeO@SiO based nanoprobe for drug delivery sensing and dual-modal fluorescence and MRI imaging in cancer cells. *Biosensors and Bioelectronics*, **2017**, 92, 489-495	11.8	107
20	Magnetic-Induced Luminescence from Flexible Composite Laminates by Coupling Magnetic Field to Piezophotonic Effect. *Advanced Materials*, **2015**, 27, 4488-4495	24	100
19	Dual-modal fluorescent/magnetic bioprobes based on small sized upconversion nanoparticles of amine-functionalized BaGdF5:Yb/Er. *Nanoscale*, **2012**, 4, 5118-24	7.7	91
18	In vitro cell imaging using multifunctional small sized KGdF4:Yb3+,Er3+ upconverting nanoparticles synthesized by a one-pot solvothermal process. *Nanoscale*, **2013**, 5, 3465-73	7.7	82
17	Site Occupancy and Near-Infrared Luminescence in Ca3Ga2Ge3O12: Cr3+ Persistent Phosphor. *Advanced Optical Materials*, **2017**, 5, 1700227	8.1	73
16	Bifunctional up-converting lanthanide nanoparticles for selective in vitro imaging and inhibition of cyclin D as anti-cancer agents. *Journal of Materials Chemistry B*, **2014**, 2, 84-91	7.3	59
15	Enhanced energy transfer in Nd3+/Cr3+ co-doped Ca3Ga2Ge3O12 phosphors with near-infrared and long-lasting luminescence properties. *Journal of Materials Chemistry C*, **2016**, 4, 3396-3402	7.1	49
14	A reduced graphene oxide-Au based electrochemical biosensor for ultrasensitive detection of enzymatic activity of botulinum neurotoxin A. *Sensors and Actuators B: Chemical*, **2015**, 220, 131-137	8.5	38
13	Comparative studies of upconversion luminescence characteristics and cell bioimaging based on one-step synthesized upconversion nanoparticles capped with different functional groups. *Journal of Luminescence*, **2015**, 157, 172-178	3.8	31
12	Simultaneous observation of up/down conversion photoluminescence and colossal permittivity properties in (Er+Nb) co-doped TiO2 materials. *Applied Physics Letters*, **2016**, 109, 042903	3.4	31

List of Publications

11	808 nm excited energy migration upconversion nanoparticles driven by a Nd-Trinity system with color-tunability and superior luminescence properties. *Nanoscale*, **2018**, 10, 2790-2803	7.7	25
10	Near-infrared-to-near-infrared down-shifting and upconversion luminescence of KY3F10 with single dopant of Nd3+ ion. *Applied Physics Letters*, **2016**, 108, 041902	3.4	22
9	Cutting-Edge Nanomaterials for Advanced Multimodal Bioimaging Applications. *Small Methods*, **2018**, 2, 1700265	12.8	21
8	Surface ligand-mediated phase and upconversion luminescence tuning of multifunctional NaGdF4:Yb/Er materials with paramagnetic and cathodoluminescent characteristics. *Optical Materials*, **2013**, 35, 2691-2697	3.3	13
7	Electrochemically assisted flexible lanthanide upconversion luminescence sensing of heavy metal contamination with high sensitivity and selectivity. *Nanoscale Advances*, **2019**, 1, 265-272	5.1	12
6	Upconversion Luminescence Sandwich Assay For Detection of Influenza H7 Subtype. *Advanced Healthcare Materials*, **2019**, 8, e1900575	10.1	8
5	Directional Plk1 inhibition-driven cell cycle interruption using amphiphilic thin-coated peptide-lanthanide upconversion nanomaterials as in vivo tumor suppressors. *Journal of Materials Chemistry B*, **2015**, 3, 2624-2634	7.3	6
4	The Effects of Morphology and Linker Length on the Properties of Peptide□anthanide Upconversion Nanomaterials as G2 Phase Cell Cycle Inhibitors. *European Journal of Inorganic Chemistry*, **2015**, 2015, 4539-4545	2.3	6
3	Phosphors: Tuning the Luminescence of Phosphors: Beyond Conventional Chemical Method (Advanced Optical Materials 4/2015). *Advanced Optical Materials*, **2015**, 3, 416-416	8.1	2
2	Magnetic-Induced Luminescence: Magnetic-Induced Luminescence from Flexible Composite Laminates by Coupling Magnetic Field to Piezophotonic Effect (Adv. Mater. 30/2015). *Advanced Materials*, **2015**, 27, 4487	24	1
1	Upconversion Nanomaterials for Biodetection and Multimodal Bioimaging Using Photoluminescence **2018**, 249-275		