

# Ming-Kiu Tsang

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1020378/ming-kiu-tsang-publications-by-year.pdf>

**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 28 | Universal Strategy for HF-Free Facile and Rapid Synthesis of Two-dimensional MXenes as Multifunctional Energy Materials. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 9610-9616   | 16.4 | 208       |
| 27 | Electrochemically assisted flexible lanthanide upconversion luminescence sensing of heavy metal contamination with high sensitivity and selectivity. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 265-272   | 5.1  | 12        |
| 26 | Upconversion Luminescence Sandwich Assay For Detection of Influenza H7 Subtype. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1900575  | 10.1 | 8         |
| 25 | Cutting-Edge Nanomaterials for Advanced Multimodal Bioimaging Applications. <i>Small Methods</i> , <b>2018</b> , 2, 1700265   | 12.8 | 21        |
| 24 | 808 nm excited energy migration upconversion nanoparticles driven by a Nd-Trinity system with color-tunability and superior luminescence properties. <i>Nanoscale</i> , <b>2018</b> , 10, 2790-2803   | 7.7  | 25        |
| 23 | Upconversion Nanomaterials for Biodetection and Multimodal Bioimaging Using Photoluminescence <b>2018</b> , 249-275   |      |           |
| 22 | Site Occupancy and Near-Infrared Luminescence in Ca <sub>3</sub> Ga <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> : Cr <sup>3+</sup> Persistent Phosphor. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700227   | 8.1  | 73        |
| 21 | A graphene quantum dot@FeO@SiO <sub>2</sub> based nanoprobe for drug delivery sensing and dual-modal fluorescence and MRI imaging in cancer cells. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 92, 489-495   | 11.8 | 107       |
| 20 | Luminescent Ions in Advanced Composite Materials for Multifunctional Applications. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 6330-6350   | 15.6 | 165       |
| 19 | Enhanced energy transfer in Nd <sup>3+</sup> /Cr <sup>3+</sup> co-doped Ca <sub>3</sub> Ga <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> phosphors with near-infrared and long-lasting luminescence properties. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 3396-3402 | 7.1  | 49        |
| 18 | Ultrasensitive Detection of Ebola Virus Oligonucleotide Based on Upconversion Nanoprobe/Nanoporous Membrane System. <i>ACS Nano</i> , <b>2016</b> , 10, 598-605   | 16.7 | 137       |
| 17 | Simultaneous observation of up/down conversion photoluminescence and colossal permittivity properties in (Er+Nb) co-doped TiO <sub>2</sub> materials. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 042903  | 3.4  | 31        |
| 16 | Near-infrared-to-near-infrared down-shifting and upconversion luminescence of KY <sub>3</sub> F <sub>10</sub> with single dopant of Nd <sup>3+</sup> ion. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 041902  | 3.4  | 22        |
| 15 | A reduced graphene oxide-Au based electrochemical biosensor for ultrasensitive detection of enzymatic activity of botulinum neurotoxin A. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 220, 131-137   | 8.5  | 38        |
| 14 | Directional Plk1 inhibition-driven cell cycle interruption using amphiphilic thin-coated peptide-lanthanide upconversion nanomaterials as in vivo tumor suppressors. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 2624-2634   | 7.3  | 6         |
| 13 | Phosphors: Tuning the Luminescence of Phosphors: Beyond Conventional Chemical Method (Advanced Optical Materials 4/2015). <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 416-416  | 8.1  | 2         |
| 12 | Tuning the Luminescence of Phosphors: Beyond Conventional Chemical Method. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 431-462   | 8.1  | 110       |

|    |  |      |     |
|----|--|------|-----|
| 11 | Comparative studies of upconversion luminescence characteristics and cell bioimaging based on one-step synthesized upconversion nanoparticles capped with different functional groups. <i>Journal of Luminescence</i> , <b>2015</b> , 157, 172-178 | 3.8  | 31  |
| 10 | Stimuli responsive upconversion luminescence nanomaterials and films for various applications. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 1585-607  | 58.5 | 277 |
| 9  | Magnetic-Induced Luminescence: Magnetic-Induced Luminescence from Flexible Composite Laminates by Coupling Magnetic Field to Piezophotonic Effect (Adv. Mater. 30/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 4487                        | 24   | 1   |
| 8  | Magnetic-Induced Luminescence from Flexible Composite Laminates by Coupling Magnetic Field to Piezophotonic Effect. <i>Advanced Materials</i> , <b>2015</b> , 27, 4488-4495  | 24   | 100 |
| 7  | The Effects of Morphology and Linker Length on the Properties of Peptide-Lanthanide Upconversion Nanomaterials as G2 Phase Cell Cycle Inhibitors. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 4539-4545                   | 2.3  | 6   |
| 6  | Upconversion luminescence resonance energy transfer (LRET)-based biosensor for rapid and ultrasensitive detection of avian influenza virus H7 subtype. <i>Small</i> , <b>2014</b> , 10, 2390-7   | 11   | 126 |
| 5  | Bifunctional up-converting lanthanide nanoparticles for selective in vitro imaging and inhibition of cyclin D as anti-cancer agents. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 84-91  | 7.3  | 59  |
| 4  | Surface ligand-mediated phase and upconversion luminescence tuning of multifunctional NaGdF <sub>4</sub> :Yb/Er materials with paramagnetic and cathodoluminescent characteristics. <i>Optical Materials</i> , <b>2013</b> , 35, 2691-2697         | 3.3  | 13  |
| 3  | In vitro cell imaging using multifunctional small sized KGdF <sub>4</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> upconverting nanoparticles synthesized by a one-pot solvothermal process. <i>Nanoscale</i> , <b>2013</b> , 5, 3465-73                | 7.7  | 82  |
| 2  | Dual-modal fluorescent/magnetic bioprobes based on small sized upconversion nanoparticles of amine-functionalized BaGdF <sub>5</sub> :Yb/Er. <i>Nanoscale</i> , <b>2012</b> , 4, 5118-24   | 7.7  | 91  |
| 1  | PEG modified BaGdF <sub>5</sub> :Yb/Er nanoprobe for multi-modal upconversion fluorescent, in vivo X-ray computed tomography and biomagnetic imaging. <i>Biomaterials</i> , <b>2012</b> , 33, 9232-8   | 15.6 | 221 |