# Mengxiao Yu

List of Publications by Year
in descending order



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|---|---|---|---|
| 70 papers | 11,403 citations | 46918 47 h-index | 74018 75 g-index |
| 76 all docs | 76 docs citations | 76 times ranked | 12280 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Hyperfluorescence Imaging of Kidney Cancer Enabled by Renal Secretion Pathway Dependent Efflux Transport. Angewandte Chemie, 2021, 133, 355-363. | 1.6 | 3 |
| 2 | Hyperfluorescence Imaging of Kidney Cancer Enabled by Renal Secretion Pathway Dependent Efflux Transport. Angewandte Chemie - International Edition, 2021, 60, 351-359. | 7.2 | 23 |
| 3 | Noninvasive monitoring of hepatic glutathione depletion through fluorescence imaging and blood testing. Science Advances, 2021, 7, . | 4.7 | 16 |
| 4 | Tailoring Kidney Transport of Organic Dyes with Low-Molecular-Weight PEGylation. Bioconjugate Chemistry, 2020, 31, 241-247. | 1.8 | 25 |
| 5 | In Situ Ligand-Directed Growth of Gold Nanoparticles in Biological Tissues. Nano Letters, 2020, 20, 1378-1382. | 4.5 | 29 |
| 6 | Cancer Photothermal Therapy with ICG-Conjugated Gold Nanoclusters. Bioconjugate Chemistry, 2020, 31, 1522-1528. | 1.8 | 60 |
| 7 | Correlating Anticancer Drug Delivery Efficiency with Vascular Permeability of Renal Clearable Versus Nonâ€renal Clearable Nanocarriers. Angewandte Chemie, 2019, 131, 12204-12208. | 1.6 | 2 |
| 8 | On the issue of transparency and reproducibility in nanomedicine. Nature Nanotechnology, 2019, 14, 629-635. | 15.6 | 149 |
| 9 | Correlating Anticancer Drug Delivery Efficiency with Vascular Permeability of Renal Clearable Versus Nonâ€renal Clearable Nanocarriers. Angewandte Chemie - International Edition, 2019, 58, 12076-12080. | 7.2 | 21 |
| 10 | Tuning the Inâ€...Vivo Transport of Anticancer Drugs Using Renalâ€Clearable Gold Nanoparticles. Angewandte Chemie - International Edition, 2019, 58, 8479-8483. | 7.2 | 69 |
| 11 | Tuning the Inâ€...Vivo Transport of Anticancer Drugs Using Renalâ€Clearable Gold Nanoparticles. Angewandte Chemie, 2019, 131, 8567-8571. | 1.6 | 22 |
| 12 | Renal Clearable Luminescent Gold Nanoparticles: From the Bench to the Clinic. Angewandte Chemie, 2019, 131, 4156-4172. | 1.6 | 10 |
| 13 | Renal Clearable Luminescent Gold Nanoparticles: From the Bench to the Clinic. Angewandte Chemie - International Edition, 2019, 58, 4112-4128. | 7.2 | 104 |
| 14 | Dose Dependencies and Biocompatibility of Renal Clearable Gold Nanoparticles: From Mice to Nonâ€human Primates. Angewandte Chemie, 2018, 130, 272-277. | 1.6 | 13 |
| 15 | Dose Dependencies and Biocompatibility of Renal Clearable Gold Nanoparticles: From Mice to Nonâ€human Primates. Angewandte Chemie - International Edition, 2018, 57, 266-271. | 7.2 | 72 |
| 16 | How nanotechnology imaging can be used in kidney disease: an interview with Dr Mengxiao Yu. Nanomedicine, 2018, 13, 3071-3073. | 1.7 | 0 |
| 17 | Effect of Hydrophobicity on Nano-Bio Interactions of Zwitterionic Luminescent Gold Nanoparticles at the Cellular Level. Bioconjugate Chemistry, 2018, 29, 1841-1846. | 1.8 | 26 |
| 18 | Transport and interactions of nanoparticles in the kidneys. Nature Reviews Materials, 2018, 3, 358-374. | 23.3 | 378 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Renal clearable noble metal nanoparticles: photoluminescence, elimination, and biomedical applications. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1453. | 3.3 | 49 |
| 20 | Targeting orthotopic gliomas with renal-clearable luminescent gold nanoparticles. Nano Research, 2017, 10, 1366-1376. | 5.8 | 68 |
| 21 | Interactions of Renalâ€Clearable Gold Nanoparticles with Tumor Microenvironments: Vasculature and Acidity Effects. Angewandte Chemie - International Edition, 2017, 56, 4314-4319. | 7.2 | 51 |
| 22 | Interactions of Renalâ€Clearable Gold Nanoparticles with Tumor Microenvironments: Vasculature and Acidity Effects. Angewandte Chemie, 2017, 129, 4378-4383. | 1.6 | 16 |
| 23 | Glomerular barrier behaves as an atomically precise bandpass filter in a sub-nanometre regime. Nature Nanotechnology, 2017, 12, 1096-1102. | 15.6 | 408 |
| 24 | Inâ€...Vivo Xâ€ray Imaging of Transport of Renal Clearable Gold Nanoparticles in the Kidneys. Angewandte Chemie, 2017, 129, 13541-13545. | 1.6 | 11 |
| 25 | Inâ€...Vivo Xâ€ray Imaging of Transport of Renal Clearable Gold Nanoparticles in the Kidneys. Angewandte Chemie - International Edition, 2017, 56, 13356-13360. | 7.2 | 70 |
| 26 | Physiological stability and renal clearance of ultrasmall zwitterionic gold nanoparticles: Ligand length matters. APL Materials, 2017, 5, 053406. | 2.2 | 51 |
| 27 | Noninvasive Staging of Kidney Dysfunction Enabled by Renalâ€Clearable Luminescent Gold Nanoparticles. Angewandte Chemie, 2016, 128, 2837-2841. | 1.6 | 41 |
| 28 | Surface-ligand effect on radiosensitization of ultrasmall luminescent gold nanoparticles. Journal of Innovative Optical Health Sciences, 2016, 09, 1642003. | 0.5 | 11 |
| 29 | Luminescent Gold Nanoparticles with Sizeâ€Independent Emission. Angewandte Chemie - International Edition, 2016, 55, 8894-8898. | 7.2 | 126 |
| 30 | Tailoring Renal Clearance and Tumor Targeting of Ultrasmall Metal Nanoparticles with Particle Density. Angewandte Chemie - International Edition, 2016, 55, 16039-16043. | 7.2 | 92 |
| 31 | Tailoring Renal Clearance and Tumor Targeting of Ultrasmall Metal Nanoparticles with Particle Density. Angewandte Chemie, 2016, 128, 16273-16277. | 1.6 | 28 |
| 32 | Luminescent Gold Nanoparticles with Sizeâ€Independent Emission. Angewandte Chemie, 2016, 128, 9040-9044. | 1.6 | 31 |
| 33 | Noninvasive Staging of Kidney Dysfunction Enabled by Renalâ€Clearable Luminescent Gold Nanoparticles. Angewandte Chemie - International Edition, 2016, 55, 2787-2791. | 7.2 | 133 |
| 34 | Highâ€contrast Noninvasive Imaging of Kidney Clearance Kinetics Enabled by Renal Clearable Nanofluorophores. Angewandte Chemie - International Edition, 2015, 54, 15434-15438. | 7.2 | 83 |
| 35 | Renal Clearance and Degradation of Glutathione-Coated Copper Nanoparticles. Bioconjugate Chemistry, 2015, 26, 511-519. | 1.8 | 78 |
| 36 | Clearance Pathways and Tumor Targeting of Imaging Nanoparticles. ACS Nano, 2015, 9, 6655-6674. | 7.3 | 694 |

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|---|---|---|---|
| 37 | Labeling Monomeric Insulin with Renal-Clearable Luminescent Gold Nanoparticles. Bioconjugate Chemistry, 2015, 26, 2435-2441. | 1.8 | 17 |
| 38 | Glutathione-Coated Luminescent Gold Nanoparticles: A Surface Ligand for Minimizing Serum Protein Adsorption. ACS Applied Materials & Interfaces, 2014, 6, 11829-11833. | 4.0 | 47 |
| 39 | Surface-Chemistry Effect on Cellular Response of Luminescent Plasmonic Silver Nanoparticles. Bioconjugate Chemistry, 2014, 25, 453-459. | 1.8 | 7 |
| 40 | Luminescent gold nanoparticles: A new class of nanoprobes for biomedical imaging. Experimental Biology and Medicine, 2013, 238, 1199-1209. | 1.1 | 41 |
| 41 | Renal clearable inorganic nanoparticles: a new frontier of bionanotechnology. Materials Today, 2013, 16, 477-486. | 8.3 | 276 |
| 42 | Passive Tumor Targeting of Renal-Clearable Luminescent Gold Nanoparticles: Long Tumor Retention and Fast Normal Tissue Clearance. Journal of the American Chemical Society, 2013, 135, 4978-4981. | 6.6 | 534 |
| 43 | PEGylation and Zwitterionization: Pros and Cons in the Renal Clearance and Tumor Targeting of Nearâ€IRâ€Emitting Gold Nanoparticles. Angewandte Chemie - International Edition, 2013, 52, 12572-12576. | 7.2 | 237 |
| 44 | Nearâ€Infrared Emitting Radioactive Gold Nanoparticles with Molecular Pharmacokinetics. Angewandte Chemie - International Edition, 2012, 51, 10118-10122. | 7.2 | 184 |
| 45 | Oneâ€Step Interfacial Synthesis and Assembly of Ultrathin Luminescent AuNPs/Silica Membranes. Advanced Materials, 2012, 24, 3218-3222. | 11.1 | 31 |
| 46 | Different sized luminescent gold nanoparticles. Nanoscale, 2012, 4, 4073. | 2.8 | 554 |
| 47 | Luminescent Gold Nanoparticles with pH-Dependent Membrane Adsorption. Journal of the American Chemical Society, 2011, 133, 11014-11017. | 6.6 | 179 |
| 48 | A Nonemissive Iridium(III) Complex That Specifically Lights-Up the Nuclei of Living Cells. Journal of the American Chemical Society, 2011, 133, 11231-11239. | 6.6 | 346 |
| 49 | Fluorine-18 labeled rare-earth nanoparticles for positron emission tomography (PET) imaging of sentinel lymph node. Biomaterials, 2011, 32, 2999-3007. | 5.7 | 181 |
| 50 | Fluorine-18-labeled Gd3+/Yb3+/Er3+ co-doped NaYF4 nanophosphors for multimodality PET/MR/UCL imaging. Biomaterials, 2011, 32, 1148-1156. | 5.7 | 399 |
| 51 | Luminescent Gold Nanoparticles with Mixed Valence States Generated from Dissociation of Polymeric Au(I) Thiolates. Journal of Physical Chemistry C, 2010, 114, 7727-7732. | 1.5 | 277 |
| 52 | Cationic Iridium(III) Complexes with Tunable Emission Color as Phosphorescent Dyes for Live Cell Imaging. Organometallics, 2010, 29, 1085-1091. | 1.1 | 236 |
| 53 | Laser Scanning Up-Conversion Luminescence Microscopy for Imaging Cells Labeled with Rare-Earth Nanophosphors. Analytical Chemistry, 2009, 81, 930-935. | 3.2 | 338 |
| 54 | A photostable fluorescent probe for targeted imaging of tumour cells possessing integrin Î±vÎ²3**. Molecular BioSystems, 2009, 5, 241. | 2.9 | 28 |

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| 55 | A highly selective and sensitive fluorescent turn-on sensor for Hg2+ and its application in live cell imaging. Organic and Biomolecular Chemistry, 2009, 7, 2554. | 1.5 | 96 |
| 56 | Highly Sensitive and Fast Responsive Fluorescence Turnâ€On Chemodosimeter for Cu<sup>2+</sup> and Its Application in Live Cell Imaging. Chemistry - A European Journal, 2008, 14, 6892-6900. | 1.7 | 296 |
| 57 | Highly Selective Phosphorescent Chemosensor for Fluoride Based on an Iridium(III) Complex Containing Arylborane Units. Inorganic Chemistry, 2008, 47, 9256-9264. | 1.9 | 216 |
| 58 | Versatile Synthesis Strategy for Carboxylic Acidâˆ'functionalized Upconverting Nanophosphors as Biological Labels. Journal of the American Chemical Society, 2008, 130, 3023-3029. | 6.6 | 789 |
| 59 | FRET-based sensor for imaging chromium(iii) in living cells. Chemical Communications, 2008, , 3387. | 2.2 | 361 |
| 60 | Multisignal Chemosensor for Cr<sup>3+</sup> and Its Application in Bioimaging. Organic Letters, 2008, 10, 2557-2560. | 2.4 | 230 |
| 61 | Facile Epoxidation Strategy for Producing Amphiphilic Up-Converting Rare-Earth Nanophosphors as Biological Labels. Chemistry of Materials, 2008, 20, 7003-7009. | 3.2 | 196 |
| 62 | Amphiphilic Diarylethene as a Photoswitchable Probe for Imaging Living Cells. Journal of the American Chemical Society, 2008, 130, 15750-15751. | 6.6 | 196 |
| 63 | Up-conversion luminescent switch based on photochromic diarylethene and rare-earth nanophosphors. Chemical Communications, 2008, , 4786. | 2.2 | 107 |
| 64 | Cationic iridium(iii) complexes for phosphorescence staining in the cytoplasm of living cells. Chemical Communications, 2008, , 2115. | 2.2 | 247 |
| 65 | Hydrothermal synthesis of hexagonal lanthanide-doped LaF<sub>3</sub>nanoplates with bright upconversion luminescence. Nanotechnology, 2008, 19, 375702. | 1.3 | 88 |
| 66 | Multisignaling Optical-Electrochemical Sensor for Hg<sup>2+</sup> Based on a Rhodamine Derivative with a Ferrocene Unit. Organic Letters, 2007, 9, 4729-4732. | 2.4 | 323 |
| 67 | A Highly Selective Fluorescence Turn-on Sensor for Cysteine/Homocysteine and Its Application in Bioimaging. Journal of the American Chemical Society, 2007, 129, 10322-10323. | 6.6 | 493 |
| 68 | A selective turn-on fluorescent sensor for FeIII and application to bioimaging. Tetrahedron Letters, 2007, 48, 3709-3712. | 0.7 | 185 |
| 69 | Highly selective colorimetric sensor for cysteine and homocysteine based on azo derivatives. Tetrahedron Letters, 2006, 47, 7093-7096. | 0.7 | 91 |
| 70 | Series of New Cationic Iridium(III) Complexes with Tunable Emission Wavelength and Excited State Properties:Â Structures, Theoretical Calculations, and Photophysical and Electrochemical Properties. Inorganic Chemistry, 2006, 45, 6152-6160. | 1.9 | 312 |