# Ping Huang

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2252296/publications.pdf

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|---|---|---|---|
| 56 papers | 4,398 citations | 101543 36 h-index | 149698 56 g-index |
| 57 all docs | 57 docs citations | 57 times ranked | 4856 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Lanthanide-doped upconversion nano-bioprobes: electronic structures, optical properties, and biodetection. Chemical Society Reviews, 2015, 44, 1379-1415. | 38.1 | 748 |
| 2 | Lanthanideâ€Doped LiLuF<sub>4</sub> Upconversion Nanoprobes for the Detection of Disease Biomarkers. Angewandte Chemie - International Edition, 2014, 53, 1252-1257. | 13.8 | 397 |
| 3 | Near-infrared-triggered photon upconversion tuning in all-inorganic cesium lead halide perovskite quantum dots. Nature Communications, 2018, 9, 3462. | 12.8 | 222 |
| 4 | Dual-activator luminescence of RE/TM:Y<sub>3</sub>Al<sub>5</sub>O<sub>12</sub>(RE =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 632 phosphors for self-referencing optical thermometry. Journal of Materials Chemistry C, 2016, 4, 9044-9051. | 5.5 | 195 |
| 5 | Nd<sup>3+</sup>-Sensitized Ho<sup>3+</sup> Single-Band Red Upconversion Luminescence in Coreâ€“Shell Nanoarchitecture. Journal of Physical Chemistry Letters, 2015, 6, 2833-2840. | 4.6 | 191 |
| 6 | Quantum cutting downconversion by cooperative energy transfer from Ce3+ to Yb3+ in borate glasses. Journal of Applied Physics, 2008, 104, . | 2.5 | 153 |
| 7 | Cooperative Energy Transfer Up-Conversion and Quantum Cutting Down-Conversion in Yb<sup>3+</sup>:TbF<sub>3</sub> Nanocrystals Embedded Glass Ceramics. Journal of Physical Chemistry C, 2009, 113, 6406-6410. | 3.1 | 132 |
| 8 | Intense multi-state visible absorption and full-color luminescence of nitrogen-doped carbon quantum dots for blue-light-excitable solid-state-lighting. Journal of Materials Chemistry C, 2016, 4, 9027-9035. | 5.5 | 119 |
| 9 | Unraveling the Electronic Structures of Neodymium in LiLuF<sub>4</sub> Nanocrystals for Ratiometric Temperature Sensing. Advanced Science, 2019, 6, 1802282. | 11.2 | 111 |
| 10 | Fullâ€Spectrum Persistent Luminescence Tuning Using Allâ€Inorganic Perovskite Quantum Dots. Angewandte Chemie - International Edition, 2019, 58, 6943-6947. | 13.8 | 106 |
| 11 | Single-composition white-emitting NaSrBO<sub>3</sub>:Ce<sup>3+</sup>,Sm<sup>3+</sup>,Tb<sup>3+</sup>phosphors for NUV light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 7286-7293. | 5.5 | 93 |
| 12 | Graphene Covalently Binding Aryl Groups: Conductivity Increases Rather than Decreases. ACS Nano, 2011, 5, 7945-7949. | 14.6 | 89 |
| 13 | A New Class of Blueâ€LEDâ€Excitable NIRâ€I Luminescent Nanoprobes Based on Lanthanideâ€Doped CaS Nanoparticles. Angewandte Chemie - International Edition, 2019, 58, 9556-9560. | 13.8 | 88 |
| 14 | Lanthanide dopant-induced formation of uniform sub-10 nm active-core/active-shell nanocrystals with near-infrared to near-infrared dual-modal luminescence. Journal of Materials Chemistry, 2012, 22, 2632-2640. | 6.7 | 87 |
| 15 | Direct Cï£¿H Bond Arylation of Indoles with Aryl Boronic Acids Catalyzed by Palladium Nanoparticles Encapsulated in Mesoporous Metalâ€“Organic Framework. ChemCatChem, 2013, 5, 1877-1883. | 3.7 | 85 |
| 16 | Time-resolved luminescent biosensing based on inorganic lanthanide-doped nanoprobes. Chemical Communications, 2015, 51, 4129-4143. | 4.1 | 85 |
| 17 | Structure and Optical Spectroscopy of Eu-Doped Glass Ceramics Containing GdF<sub>3</sub> Nanocrystals. Journal of Physical Chemistry C, 2008, 112, 18943-18947. | 3.1 | 81 |
| 18 | Diazonium Functionalized Graphene: Microstructure, Electric, and Magnetic Properties. Accounts of Chemical Research, 2013, 46, 43-52. | 15.6 | 81 |

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|---|---|---|---|
| 19 | A dual-functional upconversion core@shell nanostructure for white-light-emission and temperature sensing. Journal of Materials Chemistry C, 2016, 4, 6516-6524. | 5.5 | 81 |
| 20 | Dualâ€Bandâ€Tunable Whiteâ€Light Emission from Bi<sup>3+</sup>/Te<sup>4+</sup> Emitters in Perovskiteâ€Derivative Cs<sub>2</sub>SnCl<sub>6</sub> Microcrystals. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 74 |
| 21 | Sub-5 nm lanthanide-doped lutetium oxyfluoride nanoprobes for ultrasensitive detection of prostate specific antigen. Chemical Science, 2016, 7, 2572-2578. | 7.4 | 71 |
| 22 | Optical spectroscopy of Eu3+ and Tb3+ doped glass ceramics containing LiYbF4 nanocrystals. Applied Physics Letters, 2009, 94, . | 3.3 | 68 |
| 23 | A strategy for accurate detection of glucose in human serum and whole blood based on an upconversion nanoparticles-polydopamine nanosystem. Nano Research, 2018, 11, 3164-3174. | 10.4 | 68 |
| 24 | Unveiling the Excitedâ€State Dynamics of Mn<sup>2+</sup> in 0D Cs<sub>4</sub>PbCl<sub>6</sub> Perovskite Nanocrystals. Advanced Science, 2020, 7, 2002210. | 11.2 | 66 |
| 25 | Cooperative and non-cooperative sensitization upconversion in lanthanide-doped LiYbF<sub>4</sub> nanoparticles. Nanoscale, 2017, 9, 6521-6528. | 5.6 | 64 |
| 26 | Highly efficient Sb3+ emitters in 0D cesium indium chloride nanocrystals with switchable photoluminescence through water-triggered structural transformation. Nano Today, 2022, 44, 101460. | 11.9 | 58 |
| 27 | Efficient Nearâ€Infrared Luminescence in Lanthanideâ€Doped Vacancyâ€Ordered Double Perovskite Cs<sub>2</sub>ZrCl<sub>6</sub> Phosphors via Te<sup>4+</sup> Sensitization. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 54 |
| 28 | Persistent and photo-stimulated luminescence in Ce<sup>3+</sup>/Cr<sup>3+</sup> activated Y<sub>3</sub>Al<sub>2</sub>Ga<sub>3</sub>O<sub>12</sub> phosphors and transparent phosphor-in-glass. Journal of Materials Chemistry C, 2016, 4, 11457-11464. | 5.5 | 51 |
| 29 | Inorganic lanthanide nanoprobes for background-free luminescent bioassays. Science China Materials, 2015, 58, 156-177. | 6.3 | 50 |
| 30 | Nanocrystallization of lanthanide trifluoride in an aluminosilicate glass matrix: dimorphism and rare earth partition. CrystEngComm, 2009, 11, 1686. | 2.6 | 49 |
| 31 | Luminescence in rare earth-doped transparent glass ceramics containing GdF3 nanocrystals for lighting applications. Journal of Materials Science, 2010, 45, 2775-2779. | 3.7 | 43 |
| 32 | Manipulating energy transfer in lanthanide-doped single nanoparticles for highly enhanced upconverting luminescence. Chemical Science, 2017, 8, 5050-5056. | 7.4 | 43 |
| 33 | Ytterbium-Doped CsPbCl<sub>3</sub> Quantum Cutters for Near-Infrared Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2021, 13, 34561-34571. | 8.0 | 43 |
| 34 | Nd3+-sensitized upconversion white light emission of Tm3+/Ho3+ bridged by Yb3+ in Î²-YF3 nanocrystals embedded transparent glass ceramics. Journal of Applied Physics, 2010, 107, 103511. | 2.5 | 42 |
| 35 | Microstructure evolution of diazonium functionalized graphene: A potential approach to change graphene electronic structure. Journal of Materials Chemistry, 2012, 22, 2063-2068. | 6.7 | 38 |
| 36 | Water detection through Nd<sup>3+</sup>-sensitized photon upconversion in coreâ€“shell nanoarchitecture. Journal of Materials Chemistry C, 2017, 5, 5434-5443. | 5.5 | 38 |

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|---|---|---|---|
| 37 | Unraveling the triplet excited-state dynamics of Bi3+ in vacancy-ordered double perovskite Cs2SnCl6 nanocrystals. Nano Research, 2022, 15, 6422-6429. | 10.4 | 31 |
| 38 | Highly efficient nearâ€infrared to visible upconversion luminescence in transparent glass ceramics containing Yb<sup>3+</sup>/Er<sup>3+</sup>:NaYF<sub>4</sub> nanocrystals. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1680-1684. | 1.8 | 28 |
| 39 | Direct photoinduced synthesis of lead halide perovskite nanocrystals and nanocomposites. Nano Today, 2021, 39, 101179. | 11.9 | 22 |
| 40 | Mn2+-activated calcium fluoride nanoprobes for time-resolved photoluminescence biosensing. Science China Materials, 2019, 62, 130-137. | 6.3 | 20 |
| 41 | Glass-limited Yb/Er:NaLuF<sub>4</sub> nanocrystals: reversible hexagonal-to-cubic phase transition and anti-counterfeiting. Journal of Materials Chemistry C, 2020, 8, 16151-16159. | 5.5 | 20 |
| 42 | A new class of luminescent nanoprobes based on main-group Sb3+ emitters. Nano Research, 2022, 15, 179-185. | 10.4 | 19 |
| 43 | Accurate detection of Î²-hCG in women's serum and cervical secretions for predicting early pregnancy viability based on time-resolved luminescent lanthanide nanoprobes. Nanoscale, 2020, 12, 6729-6735. | 5.6 | 17 |
| 44 | Phase structure control and optical spectroscopy of rare-earth activated GdF<sub>3</sub> nanocrystal embedded glass ceramics via alkaline-earth/alkali-metal doping. RSC Advances, 2016, 6, 71176-71187. | 3.6 | 16 |
| 45 | Polarized upconversion luminescence from a single LiLuF4:Yb3+/Er3+ microcrystal for orientation tracking. Science China Materials, 2022, 65, 220-228. | 6.3 | 16 |
| 46 | Blue-LED-excitable NIR-II luminescent lanthanide-doped SrS nanoprobes for ratiometric thermal sensing. Science China Materials, 2022, 65, 1094-1102. | 6.3 | 15 |
| 47 | Efficient Nearâ€Infrared Luminescence in Lanthanideâ€Doped Vacancyâ€Ordered Double Perovskite Cs<sub>2</sub>ZrCl<sub>6</sub> Phosphors via Te<sup>4+</sup> Sensitization. Angewandte Chemie, 2022, 134, . | 2.0 | 14 |
| 48 | Invisible NIR Spectral Imaging and Laserâ€Induced Thermal Imaging of Na(Nd/Y)F<sub>4</sub>@glass with Opposite Effect for Optical Security. Laser and Photonics Reviews, 2022, 16, . | 8.7 | 14 |
| 49 | Improving Er3+ 1.53â€Î¼m luminescence by CeF3 nanocrystallization in aluminosilicate glass. Journal of Applied Physics, 2010, 108, 123523. | 2.5 | 13 |
| 50 | Fullâ€Spectrum Persistent Luminescence Tuning Using Allâ€Inorganic Perovskite Quantum Dots. Angewandte Chemie, 2019, 131, 7017-7021. | 2.0 | 13 |
| 51 | Optical spectroscopy investigation on distribution of Eu3+ in nanostructured glass ceramics. Journal of Applied Physics, 2010, 107, 093504. | 2.5 | 12 |
| 52 | A general strategy via charge transfer sensitization to achieve efficient NIR luminescence in lanthanide-doped NaGdS<sub>2</sub> nanocrystals. Journal of Materials Chemistry C, 2021, 9, 5148-5153. | 5.5 | 8 |
| 53 | Dualâ€Bandâ€Tunable Whiteâ€Light Emission from Bi<sup>3+</sup>/Te<sup>4+</sup> Emitters in Perovskiteâ€Derivative Cs<sub>2</sub>SnCl<sub>6</sub> Microcrystals. Angewandte Chemie, 2022, 134, . | 2.0 | 7 |
| 54 | A New Class of Blueâ€LEDâ€Excitable NIRâ€II Luminescent Nanoprobes Based on Lanthanideâ€Doped CaS Nanoparticles. Angewandte Chemie, 2019, 131, 9656-9660. | 2.0 | 6 |

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|---|---|---|---|
| 55 | Deciphering molecular interaction of binaphthyl compounds with Penicillium expansum lipase: enantioselectivity and reactivity prediction for lipase. Molecular Systems Design and Engineering, 2018, 3, 658-667. | 3.4 | 1 |
| 56 | Tumor Marker Detection: Ultrasensitive Luminescent In Vitro Detection for Tumor Markers Based on Inorganic Lanthanide Nano-Bioprobes (Adv. Sci. 11/2016). Advanced Science, 2016, 3, . | 11.2 | 0 |