

# Anurag Mishra

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7141653/publications.pdf>

Version: 2024-02-01

21  
papers

667  
citations

759190

12  
h-index

713444

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1072  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Calcium Sensor for Photoacoustic Imaging. <i>Journal of the American Chemical Society</i> , 2018, 140, 2718-2721.   | 13.7 | 109       |
| 2  | Molecular imaging probes for multi-spectral optoacoustic tomography. <i>Chemical Communications</i> , 2017, 53, 4653-4672.  | 4.1  | 99        |
| 3  | Near-Infrared Photoacoustic Imaging Probe Responsive to Calcium. <i>Analytical Chemistry</i> , 2016, 88, 10785-10789.   | 6.5  | 57        |
| 4  | Hyperpolarized Multi-Metal <sup>13</sup> C-Sensors for Magnetic Resonance Imaging. <i>Analytical Chemistry</i> , 2016, 88, 10790-10794.   | 6.5  | 25        |
| 5  | Wavelength-dependent optoacoustic imaging probes for NMDA receptor visualisation. <i>Chemical Communications</i> , 2015, 51, 15149-15152.   | 4.1  | 10        |
| 6  | Magnetic resonance and optical imaging probes for NMDA receptors on the cell surface of neurons: synthesis and evaluation in cellulo. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9389-9404.                                | 2.8  | 6         |
| 7  | Characterisation and evaluation of paramagnetic fluorine labelled glycol chitosan conjugates for <sup>19</sup> F and <sup>1</sup> H magnetic resonance imaging. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 215-227. | 2.6  | 39        |
| 8  | Microscopic Visualization of Metabotropic Glutamate Receptors on the Surface of Living Cells Using Bifunctional Magnetic Resonance Imaging Probes. <i>ACS Chemical Neuroscience</i> , 2014, 5, 128-137.                               | 3.5  | 18        |
| 9  | Comparative in vitro studies of MR imaging probes for metabotropic glutamate subtype-5 receptor targeting. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6131.  | 2.8  | 7         |
| 10 | Responsive MR-imaging probes for N-methyl-d-aspartate receptors and direct visualisation of the cell-surface receptors by optical microscopy. <i>Chemical Science</i> , 2013, 4, 3148.  | 7.4  | 11        |
| 11 | Magnetic Field-Dependent <sup>1</sup> H Relaxivity Behavior of Biotin/Avidin-Based Magnetic Resonance Imaging Probes. <i>ChemPlusChem</i> , 2012, 77, 758-769.  | 2.8  | 3         |
| 12 | Responsive imaging probes for metabotropic glutamate receptors. <i>Chemical Science</i> , 2012, 3, 131-135.   | 7.4  | 21        |
| 13 | Synthesis and in Vitro Evaluation of a Biotinylated Dextran-Derived Probe for Molecular Imaging. <i>ACS Chemical Neuroscience</i> , 2012, 3, 268-273.   | 3.5  | 2         |
| 14 | Biocytin-Based Contrast Agents for Molecular Imaging: An Approach to Developing New In Vivo Neuroanatomical Tracers for MRI. , 2012, , .  |      | 1         |
| 15 | Paramagnetic <sup>19</sup> F Chemical Shift Probes that Respond Selectively to Calcium or Citrate Levels and Signal Ester Hydrolysis. <i>Chemistry - A European Journal</i> , 2012, 18, 8748-8757.                                    | 3.3  | 42        |
| 16 | Biocytin-Derived MRI Contrast Agent for Longitudinal Brain Connectivity Studies. <i>ACS Chemical Neuroscience</i> , 2011, 2, 578-587.   | 3.5  | 8         |
| 17 | Critical In Vitro Evaluation of Responsive MRI Contrast Agents for Calcium and Zinc. <i>Chemistry - A European Journal</i> , 2011, 17, 1529-1537.   | 3.3  | 43        |
| 18 | Improved Neuronal Tract Tracing with Stable Biocytin-Derived Neuroimaging Agents. <i>ACS Chemical Neuroscience</i> , 2010, 1, 129-138.  | 3.5  | 8         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Facile Synthesis and Relaxation Properties of Novel Bispolyazamacrocyclic Gd <sup>3+</sup> Complexes: An Attempt towards Calcium-Sensitive MRI Contrast Agents. <i>Inorganic Chemistry</i> , 2008, 47, 1370-1381. | 4.0 | 65        |
| 20 | Synthesis and characterization of lanthanide complexes of DO3A-alkylphosphonates. <i>Dalton Transactions</i> , 2007, , 5260.  | 3.3 | 19        |
| 21 | A New Class of Gd-Based DO3A-Ethylamine-Derived Targeted Contrast Agents for MR and Optical Imaging. <i>Bioconjugate Chemistry</i> , 2006, 17, 773-780.   | 3.6 | 69        |