

# Shatadru Chakravarty

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7590652/publications.pdf>

Version: 2024-02-01

18  
papers

364  
citations

933447

10  
h-index

888059

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

420  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Discrete Nanomolecular Polyhedral Borane Scaffold Supporting Multiple Gadolinium(III) Complexes as a High Performance MRI Contrast Agent. <i>Inorganic Chemistry</i> , 2013, 52, 1694-1700.               | 4.0  | 70        |
| 2  | Multi-walled carbon nanotube supported manganese selenide as a highly active bifunctional OER and ORR electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6772-6784.                     | 10.3 | 67        |
| 3  | Tantalum oxide nanoparticles as versatile contrast agents for X-ray computed tomography. <i>Nanoscale</i> , 2020, 12, 7720-7734.  | 5.6  | 39        |
| 4  | Cobalt Telluride: A Highly Efficient Trifunctional Electrocatalyst for Water Splitting and Oxygen Reduction. <i>ACS Applied Energy Materials</i> , 2021, 4, 8158-8174.                                    | 5.1  | 36        |
| 5  | Age-dependent regional changes in the rostral migratory stream. <i>Neurobiology of Aging</i> , 2013, 34, 1873-1881.   | 3.1  | 31        |
| 6  | Extensions of the Icosahedral Closoomer Structure by Using Azide-Alkyne Click Reactions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4689-4691.  | 13.8 | 21        |
| 7  | Complex Relationship between Iron Oxide Nanoparticle Degradation and the Signal Intensity in Magnetic Particle Imaging. <i>ACS Applied Nano Materials</i> , 2020, 3, 3991-3999.                           | 5.0  | 18        |
| 8  | Dynamic Contrast-Enhanced MRI of OATP Dysfunction in Diabetes. <i>Diabetes</i> , 2019, 68, 271-280.   | 0.6  | 16        |
| 9  | Ductal tree ablation by local delivery of ethanol prevents tumor formation in an aggressive mouse model of breast cancer. <i>Breast Cancer Research</i> , 2019, 21, 129.                                  | 5.0  | 14        |
| 10 | Surface engineering of bismuth nanocrystals to counter dissolution. <i>Nanoscale</i> , 2016, 8, 13217-13222.  | 5.6  | 12        |
| 11 | Fabrication of magnetic and fluorescent chitin and dibutylchitin sub-micron particles by oil-in-water emulsification. <i>Acta Biomaterialia</i> , 2016, 45, 276-285.                                      | 8.3  | 9         |
| 12 | Design Considerations to Facilitate Clinical Radiological Evaluation of Implantable Biomedical Structures. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 718-726.                            | 5.2  | 8         |
| 13 | In vivo serial MRI of age-dependent neural progenitor cell migration in the rat brain. <i>NeuroImage</i> , 2019, 199, 153-159.  | 4.2  | 7         |
| 14 | A multimeric MRI contrast agent based on a closo-borane scaffold bearing modified AAZTA chelates on the periphery. <i>Chemical Communications</i> , 2019, 55, 12348-12351.                                | 4.1  | 7         |
| 15 | Intraductal Delivery and X-ray Visualization of Ethanol-Based Ablative Solution for Prevention and Local Treatment of Breast Cancer in Mouse Models. <i>Journal of Visualized Experiments</i> , 2022, , . | 0.3  | 2         |
| 16 | Amphiphilic DTPA Multimer Assembled on Icosahedral Closo-Borane Motif as High-Performance MRI Blood Pool Contrast Agent. <i>ACS Applied Bio Materials</i> , 2021, 4, 6658-6663.                           | 4.6  | 1         |
| 17 | Magnets, Magnetism, and Magnetic Resonance Imaging: History, Basics, Clinical Aspects, and Future Directions. <i>Studies in Systems, Decision and Control</i> , 2021, , 135-161.                          | 1.0  | 1         |
| 18 | Abstract 26: Intraductal procedure with refined ethanol-containing ablative solution for primary prevention of breast cancer. , 2020, , .   |      | 0         |