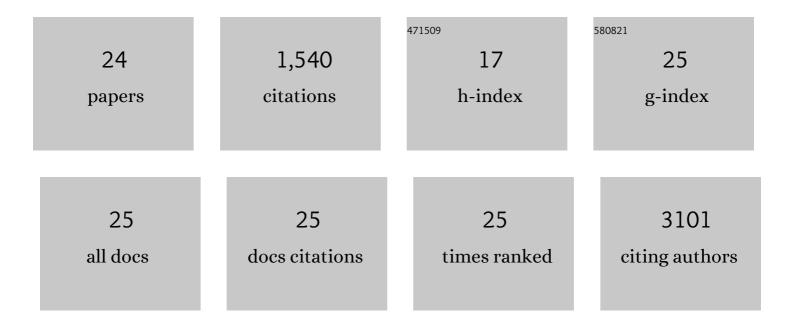
## Rajendra Kurapati

List of Publications by Year in descending order

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| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Editorial: Nanobiophotonics and Related Novel Materials Aimed at Biosciences and Biomedicine.<br>Frontiers in Bioengineering and Biotechnology, 2022, 10, 898752.                   | 4.1  | 1         |
| 2  | Advanced protection against environmental degradation of silver mirror stacks for space application.<br>Journal of Materials Science and Technology, 2021, 64, 1-9.                 | 10.7 | 3         |
| 3  | Additiveâ€free Aqueous Dispersions of Twoâ€Dimensional Materials with Glial Cell Compatibility and<br>Enzymatic Degradability. Chemistry - A European Journal, 2021, 27, 7434-7443. | 3.3  | 5         |
| 4  | Biodegradation of graphene materials catalyzed by human eosinophil peroxidase. Faraday Discussions,<br>2021, 227, 189-203.  | 3.2  | 30        |
| 5  | Degradation-by-design: how chemical functionalization enhances the biodegradability and safety of 2D materials. Chemical Society Reviews, 2020, 49, 6224-6247.                      | 38.1 | 61        |
| 6  | Recent Developments in Layer-by-Layer Technique for Drug Delivery Applications. ACS Applied Bio<br>Materials, 2019, 2, 5512-5527.   | 4.6  | 59        |
| 7  | Covalent chemical functionalization enhances the biodegradation of graphene oxide. 2D Materials, 2018, 5, 015020.   | 4.4  | 63        |
| 8  | Peroxidase mimicking DNAzymes degrade graphene oxide. Nanoscale, 2018, 10, 19316-19321.   | 5.6  | 22        |
| 9  | Degradation of Single‣ayer and Few‣ayer Graphene by Neutrophil Myeloperoxidase. Angewandte<br>Chemie, 2018, 130, 11896-11901.   | 2.0  | 9         |
| 10 | Degradation of Singleâ€Layer and Fewâ€Layer Graphene by Neutrophil Myeloperoxidase. Angewandte<br>Chemie - International Edition, 2018, 57, 11722-11727.                            | 13.8 | 135       |
| 11 | Enzymatic Biodegradability of Pristine and Functionalized Transition Metal Dichalcogenide<br>MoS <sub>2</sub> Nanosheets. Advanced Functional Materials, 2017, 27, 1605176.         | 14.9 | 109       |
| 12 | Biomedical Uses for 2D Materials Beyond Graphene: Current Advances and Challenges Ahead. Advanced<br>Materials, 2016, 28, 6052-6074.  | 21.0 | 335       |
| 13 | White Graphene undergoes Peroxidase Degradation. Angewandte Chemie, 2016, 128, 5596-5601.   | 2.0  | 19        |
| 14 | Synergistic photothermal antimicrobial therapy using graphene oxide/polymer composite<br>layer-by-layer thin films. RSC Advances, 2016, 6, 39852-39860.                             | 3.6  | 46        |
| 15 | Cyclodextrin grafted calcium carbonate vaterite particles: efficient system for tailored release of hydrophobic anticancer or hormone drugs. RSC Advances, 2016, 6, 104537-104548.  | 3.6  | 22        |
| 16 | White Graphene undergoes Peroxidase Degradation. Angewandte Chemie - International Edition, 2016,<br>55, 5506-5511.   | 13.8 | 67        |
| 17 | Facile synthesis of Graphene Oxide/Double-stranded DNA composite liquid crystals and Hydrogels.<br>Journal of Chemical Sciences, 2016, 128, 325-330.                                | 1.5  | 8         |
| 18 | Dispersibilityâ€Dependent Biodegradation of Graphene Oxide by Myeloperoxidase. Small, 2015, 11,<br>3985-3994.   | 10.0 | 215       |

Rajendra Kurapati

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Degradation-by-design: Surface modification with functional substrates that enhance the enzymatic degradation of carbon nanotubes. Biomaterials, 2015, 72, 20-28.   | 11.4 | 61        |
| 20 | Dual Drug Conjugate Loaded Nanoparticles for the Treatment of Cancer. Current Drug Delivery, 2015,<br>12, 782-794.  | 1.6  | 9         |
| 21 | Near-infrared light-responsive graphene oxide composite multilayer capsules: a novel route for remote controlled drug delivery. Chemical Communications, 2013, 49, 734-736.                                 | 4.1  | 117       |
| 22 | Composite cyclodextrin–calcium carbonate porous microparticles and modified multilayer capsules:<br>novel carriers for encapsulation of hydrophobic drugs. Journal of Materials Chemistry B, 2013, 1, 3175. | 5.8  | 56        |
| 23 | Graphene oxide based multilayer capsules with unique permeability properties: facile encapsulation of multiple drugs. Chemical Communications, 2012, 48, 6013.  | 4.1  | 68        |
| 24 | Fluorescence Enhancement in Langmuirâ^'Blodgett Films: Role of Amphiphile Structure, Orientation,<br>and Assembly. Journal of Physical Chemistry B, 2010, 114, 849-856.                                     | 2.6  | 14        |