

# Muruganantham Rethinasabapathy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11166001/publications.pdf>

Version: 2024-02-01

22  
papers

783  
citations

516215

16  
h-index

676716

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1098  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hexagonal Co <sub>3</sub> O <sub>4</sub> anchored reduced graphene oxide sheets for high-performance supercapacitors and non-enzymatic glucose sensing. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14367-14379.	5.2	118
2	MXene: An emerging two-dimensional layered material for removal of radioactive pollutants. <i>Chemical Engineering Journal</i> , 2020, 397, 125428.	6.6	112
3	One-pot gamma ray-induced green synthesis of a Prussian blue-laden polyvinylpyrrolidone/reduced graphene oxide aerogel for the removal of hazardous pollutants. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1737-1748.	5.2	53
4	Improved conductivity of flower-like MnWO <sub>4</sub> on defect engineered graphitic carbon nitride as an efficient electrocatalyst for ultrasensitive sensing of chloramphenicol. <i>Journal of Hazardous Materials</i> , 2020, 399, 122868.	6.5	49
5	Layer-Structured POSS-Modified Fe-Aminoclay/Carboxymethyl Cellulose Composite as a Superior Adsorbent for the Removal of Radioactive Cesium and Cationic Dyes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 13731-13741.	1.8	46
6	Silver grass-derived activated carbon with coexisting micro-, meso- and macropores as excellent bioanodes for microbial colonization and power generation in sustainable microbial fuel cells. <i>Bioresource Technology</i> , 2020, 300, 122646.	4.8	44
7	Iron oxide (Fe <sub>3</sub> O <sub>4</sub> )-laden titanium carbide (Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> ) MXene stacks for the efficient sequestration of cationic dyes from aqueous solution. <i>Chemosphere</i> , 2022, 286, 131679.	4.2	40
8	Cobalt ferrite microspheres as a biocompatible anode for higher power generation in microbial fuel cells. <i>Journal of Power Sources</i> , 2021, 483, 229170.	4.0	38
9	Highly stable Prussian blue nanoparticles containing graphene oxide-chitosan matrix for selective radioactive cesium removal. <i>Materials Letters</i> , 2019, 241, 194-197.	1.3	35
10	Fabrication of CsPbBr <sub>3</sub> Perovskite Quantum Dots/Cellulose-Based Colorimetric Sensor: Dual-Responsive On-Site Detection of Chloride and Iodide Ions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 793-801.	1.8	35
11	Amino-functionalized POSS nanocage-intercalated titanium carbide (Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> ) MXene stacks for efficient cesium and strontium radionuclide sequestration. <i>Journal of Hazardous Materials</i> , 2021, 418, 126315.	6.5	34
12	Microfluidic generation of Prussian blue-laden magnetic micro-adsorbents for cesium removal. <i>Chemical Engineering Journal</i> , 2018, 341, 218-226.	6.6	30
13	Porous 3D Prussian blue/cellulose aerogel as a decorporation agent for removal of ingested cesium from the gastrointestinal tract. <i>Scientific Reports</i> , 2018, 8, 4540.	1.6	30
14	Fabrication of alginate/humic acid/Fe-aminoclay hydrogel composed of a grafted-network for the efficient removal of strontium ions from aqueous solution. <i>Environmental Technology and Innovation</i> , 2018, 9, 285-293.	3.0	27
15	Graphene oxide functionalized with chitosan based nanoparticles as a carrier of siRNA in regulating Bcl-2 expression on Saos-2 & MG-63 cancer cells and its inflammatory response on bone marrow derived cells from mice. <i>Materials Science and Engineering C</i> , 2019, 99, 1459-1468.	3.8	25
16	Visible-light-driven dynamic cancer therapy and imaging using graphitic carbon nitride nanoparticles. <i>Materials Science and Engineering C</i> , 2018, 90, 531-538.	3.8	20
17	Facile fabrication of paper-based analytical devices for rapid and highly selective colorimetric detection of cesium in environmental samples. <i>RSC Advances</i> , 2017, 7, 48374-48385.	1.7	16
18	Cesium-induced inhibition of bacterial growth of <i>Pseudomonas aeruginosa</i> PAO1 and their possible potential applications for bioremediation of wastewater. <i>Journal of Hazardous Materials</i> , 2017, 338, 323-333.	6.5	10

#	ARTICLE	IF	CITATIONS
19	Gamma radiation mediated green technology for Pd nanoparticles recovery from wastewater. Separation and Purification Technology, 2018, 197, 220-227.	3.9	8
20	Generation of multi-functional core-shell adsorbents: simultaneous adsorption of cesium, strontium and rhodamine B in aqueous solution. Journal of Industrial and Engineering Chemistry, 2022, 112, 201-209.	2.9	7
21	Versatile Poly(Diallyl Dimethyl Ammonium Chloride)-Layered Nanocomposites for Removal of Cesium in Water Purification. Materials, 2018, 11, 998.	1.3	4
22	Generation of multifunctional encoded particles using a tetrapod microneedle injector. Journal of Industrial and Engineering Chemistry, 2019, 74, 164-171.	2.9	2