

# Theyagarajan K

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3812710/publications.pdf>

Version: 2024-02-01

13  
papers

232  
citations

1039880

9  
h-index

1281743

11  
g-index

13  
all docs

13  
docs citations

13  
times ranked

300  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aldehyde functionalized ionic liquid on electrochemically reduced graphene oxide as a versatile platform for covalent immobilization of biomolecules and biosensing. <i>Biosensors and Bioelectronics</i> , 2018, 103, 104-112.	5.3	55
2	Electrochemical biosensor for the detection of hydrogen peroxide using cytochrome c covalently immobilized on carboxyl functionalized ionic liquid/multiwalled carbon nanotube hybrid. <i>Applied Surface Science</i> , 2019, 492, 718-725.	3.1	36
3	Highly sensitive electrochemical detection of E. coli O157:H7 using conductive carbon dot/ZnO nanorod/PANI composite electrode. <i>Sensing and Bio-Sensing Research</i> , 2020, 29, 100317.	2.2	34
4	Novel biomass-derived porous-graphitic carbon coated iron oxide nanocomposite as an efficient electrocatalyst for the sensitive detection of rutin (vitamin P) in food and environmental samples. <i>Environmental Research</i> , 2022, 211, 113012.	3.7	18
5	Gold Nanoparticle-Redox Ionic Liquid based Nanoconjugated Matrix as a Novel Multifunctional Biosensing Interface. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6076-6085.	2.6	17
6	Facile strategy for immobilizing horseradish peroxidase on a novel acetate functionalized ionic liquid/MWCNT matrix for electrochemical biosensing. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 358-365.	3.6	17
7	Rationally designed naphthyl substituted amine functionalized ionic liquid platform for covalent immobilization and direct electrochemistry of hemoglobin. <i>Scientific Reports</i> , 2019, 9, 10428.	1.6	16
8	Direct electrochemistry of covalently immobilized hemoglobin on a naphthylimidazolium butyric acid ionic liquid/MWCNT matrix. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 199, 111540.	2.5	15
9	Viologen-terminated polyamidoamine (PAMAM) dendrimer encapsulated with gold nanoparticles for nonenzymatic determination of hydrogen peroxide. <i>Materials Today Chemistry</i> , 2020, 16, 100274.	1.7	11
10	Quaternary Ammonium Based Carboxyl Functionalized Ionic Liquid for Covalent Immobilization of Horseradish Peroxidase and Development of Electrochemical Hydrogen Peroxide Biosensor. <i>Electroanalysis</i> , 2020, 32, 2422-2430.	1.5	8
11	Porous graphene oxide based disposable non-enzymatic electrochemical sensor for the determination of nicotinamide adenine dinucleotide. <i>Micro and Nano Engineering</i> , 2022, 15, 100133.	1.4	4
12	Metal oxide-graphene nanocomposite modified electrochemical sensors for toxic chemicals. , 2021, , 139-171.		1
13	CHAPTER 11. Quantum Dots-based Disposable Sensors. <i>RSC Detection Science</i> , 2021, , 314-352.	0.0	0