

# Theyagarajan K

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

12  
papers

137  
citations

7  
h-index

11  
g-index

13  
ext. papers

176  
ext. citations

5.5  
avg, IF

3.35  
L-index

#	Paper	IF	Citations
12	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> , <b>2018</b> , 103, 104-112	11.8	45
11	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> , <b>2019</b> , 492, 718-725	6.7	24
10	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> , <b>2020</b> , 29, 100317	3.3	17
9	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> , <b>2020</b> , 163, 358-365	7.9	11
8	Rationally designed naphthyl substituted amine functionalized ionic liquid platform for covalent immobilization and direct electrochemistry of hemoglobin. <i>Scientific Reports</i> , <b>2019</b> , 9, 10428	4.9	10
7	Viologen-terminated polyamidoamine (PAMAM) dendrimer encapsulated with gold nanoparticles for nonenzymatic determination of hydrogen peroxide. <i>Materials Today Chemistry</i> , <b>2020</b> , 16, 100274	6.2	9
6	Gold Nanoparticle-Redox Ionic Liquid based Nanoconjugated Matrix as a Novel Multifunctional Biosensing Interface. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 6076-6085	5.5	9
5	Direct electrochemistry of covalently immobilized hemoglobin on a naphthylimidazolium butyric acid ionic liquid/MWCNT matrix. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 199, 111540	6	7
4	Quaternary Ammonium Based Carboxyl Functionalized Ionic Liquid for Covalent Immobilization of Horseradish Peroxidase and Development of Electrochemical Hydrogen Peroxide Biosensor. <i>Electroanalysis</i> , <b>2020</b> , 32, 2422-2430	3	2
3	Novel biomass-derived porous-graphitic carbon coated iron oxide nanocomposite as an efficient electrocatalyst for the sensitive detection of rutin (vitamin P) in aqueous samples.. <i>Environmental Research</i> , <b>2022</b> , 113012	7.9	2
2	Porous graphene oxide based disposable non-enzymatic electrochemical sensor for the determination of nicotinamide adenine dinucleotide. <i>Micro and Nano Engineering</i> , <b>2022</b> , 15, 100133	3.4	1
1	Metal oxide-graphene nanocomposite modified electrochemical sensors for toxic chemicals <b>2021</b> , 139-171		