

# Sheetal Chawla

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10567247/publications.pdf>

Version: 2024-02-01

22  
papers

1,162  
citations

471509

17  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1850  
citing authors

#	ARTICLE	IF	CITATIONS
1	Salinity induced oxidative stress and antioxidant system in salt-tolerant and salt-sensitive cultivars of rice ( <i>Oryza sativa</i> L.). <i>Journal of Plant Biochemistry and Biotechnology</i> , 2013, 22, 27-34.	1.7	147
2	An electrochemical sensor for detection of neurotransmitter-acetylcholine using metal nanoparticles, 2D material and conducting polymer modified electrode. <i>Biosensors and Bioelectronics</i> , 2017, 89, 377-383.	10.1	147
3	Type 2 diabetes: Current understanding and future perspectives. <i>IUBMB Life</i> , 2015, 67, 506-513.	3.4	102
4	An electrochemical sulfite biosensor based on gold coated magnetic nanoparticles modified gold electrode. <i>Biosensors and Bioelectronics</i> , 2012, 31, 144-150.	10.1	94
5	Polyphenol biosensor based on laccase immobilized onto silver nanoparticles/multiwalled carbon nanotube/polyaniline gold electrode. <i>Analytical Biochemistry</i> , 2011, 419, 196-204.	2.4	82
6	Fabrication of polyphenol biosensor based on laccase immobilized on copper nanoparticles/chitosan/multiwalled carbon nanotubes/polyaniline-modified gold electrode. <i>Journal of Biotechnology</i> , 2011, 156, 39-45.	3.8	63
7	An electrochemical biosensor for fructosyl valine for glycosylated hemoglobin detection based on core-shell magnetic nanoparticles modified gold electrode. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3438-3443.	10.1	63
8	An amperometric biosensor based on laccase immobilized onto nickel nanoparticles/carboxylated multiwalled carbon nanotubes/polyaniline modified gold electrode for determination of phenolic content in fruit juices. <i>Biochemical Engineering Journal</i> , 2012, 68, 76-84.	3.6	63
9	Amperometric determination of total phenolic content in wine by laccase immobilized onto silver nanoparticles/zinc oxide nanoparticles modified gold electrode. <i>Analytical Biochemistry</i> , 2012, 430, 16-23.	2.4	61
10	Development of an amperometric sulfite biosensor based on a gold nanoparticles/chitosan/multiwalled carbon nanotubes/polyaniline-modified gold electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 2599-2608.	3.7	55
11	Determination of glycated hemoglobin with special emphasis on biosensing methods. <i>Analytical Biochemistry</i> , 2014, 444, 47-56.	2.4	52
12	An amperometric hemoglobin A1c biosensor based on immobilization of fructosyl amino acid oxidase onto zinc oxide nanoparticles/polypyrrole film. <i>Analytical Biochemistry</i> , 2012, 430, 156-162.	2.4	43
13	Hemoglobin interaction with GP1b induces platelet activation and apoptosis: a novel mechanism associated with intravascular hemolysis. <i>Haematologica</i> , 2015, 100, 1526-1533.	3.5	42
14	An amperometric biosensor based on laccase immobilized onto Fe <sub>3</sub> O <sub>4</sub> NPs/cMWCNT/PANI/Au electrode for determination of phenolic content in tea leaves extract. <i>Enzyme and Microbial Technology</i> , 2012, 51, 179-185.	3.2	39
15	An amperometric biosensor based on laccase immobilized onto MnO <sub>2</sub> NPs/cMWCNT/PANI modified Au electrode. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 175-181.	7.5	22
16	An amperometric polyphenol biosensor based on laccase immobilized on epoxy resin membrane. <i>Analytical Methods</i> , 2011, 3, 709.	2.7	21
17	HbS Binding to GP1b± Activates Platelets in Sickle Cell Disease. <i>PLoS ONE</i> , 2016, 11, e0167899.	2.5	20
18	An amperometric polyphenol biosensor based on polyvinyl chloride membrane. <i>Analytical Methods</i> , 2010, 2, 1106.	2.7	12

#	ARTICLE	IF	CITATIONS
19	Development of pro-inflammatory phenotype in monocytes after engulfing Hb-activated platelets in hemolytic disorders. <i>Clinical Immunology</i> , 2017, 175, 133-142.	3.2	12
20	Development of an Amperometric Polyphenol Biosensor Based on Fungal Laccase Immobilized on Nitrocellulose Membrane. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2012, 40, 163-170.	0.9	8
21	Engulfment of Hb-activated platelets differentiates monocytes into pro-inflammatory macrophages in PNH patients. <i>European Journal of Immunology</i> , 2018, 48, 1285-1294.	2.9	8
22	Construction of an amperometric polyphenol biosensor based on PVA membrane. <i>Journal of Food Measurement and Characterization</i> , 2013, 7, 22-28.	3.2	6