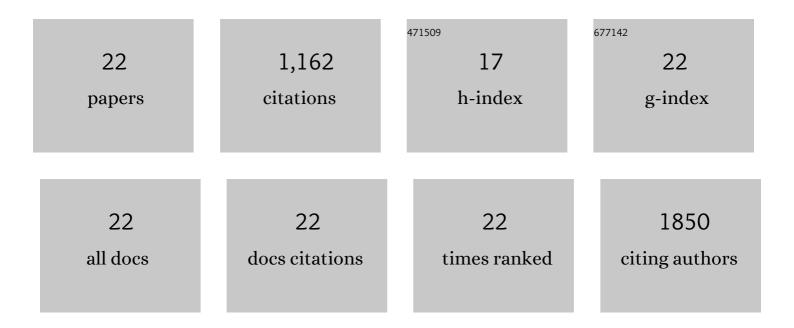
Sheetal Chawla

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Salinity induced oxidative stress and antioxidant system in salt-tolerant and salt-sensitive cultivars of rice (Oryza sativa L.). Journal of Plant Biochemistry and Biotechnology, 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. Biosensors and Bioelectronics, 2017, 89, 377-383.	10.1	147
3	Typeâ€2 diabetes: Current understanding and future perspectives. IUBMB Life, 2015, 67, 506-513.	3.4	102
4	An electrochemical sulfite biosensor based on gold coated magnetic nanoparticles modified gold electrode. Biosensors and Bioelectronics, 2012, 31, 144-150.	10.1	94
5	Polyphenol biosensor based on laccase immobilized onto silver nanoparticles/multiwalled carbon nanotube/polyaniline gold electrode. Analytical Biochemistry, 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. Journal of Biotechnology, 2011, 156, 39-45.	3.8	63
7	An electrochemical biosensor for fructosyl valine for glycosylated hemoglobin detection based on core–shell magnetic bionanoparticles modified gold electrode. Biosensors and Bioelectronics, 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. Biochemical Engineering Journal, 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. Analytical Biochemistry, 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. Analytical and Bioanalytical Chemistry, 2011, 401, 2599-2608.	3.7	55
11	Determination of glycated hemoglobin with special emphasis on biosensing methods. Analytical Biochemistry, 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. Analytical Biochemistry, 2012, 430, 156-162.	2.4	43
13	Hemoglobin interaction with GP1b induces platelet activation and apoptosis: a novel mechanism associated with intravascular hemolysis. Haematologica, 2015, 100, 1526-1533.	3.5	42
14	An amperometric biosensor based on laccase immobilized onto Fe3O4NPs/cMWCNT/PANI/Au electrode for determination of phenolic content in tea leaves extract. Enzyme and Microbial Technology, 2012, 51, 179-185.	3.2	39
15	An amperometric biosensor based on laccase immobilized onto MnO2NPs/cMWCNT/PANI modified Au electrode. International Journal of Biological Macromolecules, 2012, 51, 175-181.	7.5	22
16	An amperometric polyphenol biosensor based on laccase immobilized on epoxy resin membrane. Analytical Methods, 2011, 3, 709.	2.7	21
17	HbS Binding to GP1bα Activates Platelets in Sickle Cell Disease. PLoS ONE, 2016, 11, e0167899.	2.5	20
18	An amperometric polyphenol biosensor based on polyvinyl chloride membrane. Analytical Methods, 2010, 2, 1106.	2.7	12

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