

# Abhishek Bhattacharjee

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11130180/publications.pdf>

Version: 2024-02-01

19  
papers

429  
citations

759233

12  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

553  
citing authors

#	ARTICLE	IF	CITATIONS
1	Repression of phagocytosis by human CD33 is not conserved with mouse CD33. <i>Communications Biology</i> , 2019, 2, 450.	4.4	61
2	Methylglyoxal-induced modifications of hemoglobin: Structural and functional characteristics. <i>Archives of Biochemistry and Biophysics</i> , 2013, 529, 99-104.	3.0	48
3	The CD33 short isoform is a gain-of-function variant that enhances $\text{A}\beta_{1-42}$ phagocytosis in microglia. <i>Molecular Neurodegeneration</i> , 2021, 16, 19.	10.8	46
4	Mechanism of antiglycating properties of syringic and chlorogenic acids in in vitro glycation system. <i>Food Research International</i> , 2015, 77, 540-548.	6.2	39
5	Iron ( $\text{Fe}^{2+}$ )-Catalyzed Glucosamine Browning at 50 $^{\circ}\text{C}$ : Identification and Quantification of Major Flavor Compounds for Antibacterial Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 3266-3275.	5.2	31
6	Carbohydrate Sulfation As a Mechanism for Fine-Tuning Siglec Ligands. <i>ACS Chemical Biology</i> , 2021, 16, 2673-2689.	3.4	31
7	Fructose-induced modifications of myoglobin: Change of structure from met ( $\text{Fe}^{3+}$ ) to oxy ( $\text{Fe}^{2+}$ ) form. <i>International Journal of Biological Macromolecules</i> , 2011, 48, 202-209.	7.5	25
8	Argpyrimidine-tagged rutin-encapsulated biocompatible (ethylene glycol dimers) nanoparticles: Application for targeted drug delivery in experimental diabetes (Part 2). <i>International Journal of Pharmaceutics</i> , 2017, 528, 8-17.	5.2	21
9	Argpyrimidine-tagged rutin-encapsulated biocompatible (ethylene glycol dimers) nanoparticles: Synthesis, characterization and evaluation for targeted drug delivery. <i>International Journal of Pharmaceutics</i> , 2016, 509, 507-517.	5.2	20
10	Isolation and characterisation of methanol-soluble fraction of <i>Alternanthera philoxeroides</i> (Mart.) evaluation of their antioxidant, $\alpha$ -glucosidase inhibitory and antimicrobial activity in in vitro systems. <i>Natural Product Research</i> , 2014, 28, 2199-2202.	1.8	18
11	Green synthesis and characterisation of antioxidant-tagged gold nanoparticle (X-GNP) and studies on its potent antimicrobial activity. <i>Journal of Experimental Nanoscience</i> , 2018, 13, 50-61.	2.4	17
12	Fructosazine, a Polyhydroxyalkylpyrazine with Antimicrobial Activity: Mechanism of Inhibition against Extremely Heat Resistant <i>Escherichia coli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 8530-8539.	5.2	13
13	Transport of the Glucosamine-Derived Browning Product Fructosazine (Polyhydroxyalkylpyrazine) Across the Human Intestinal Caco-2 Cell Monolayer: Role of the Hexose Transporters. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 4642-4650.	5.2	13
14	Increasing phagocytosis of microglia by targeting CD33 with liposomes displaying glycan ligands. <i>Journal of Controlled Release</i> , 2021, 338, 680-693.	9.9	13
15	Inhibitory effect of Piper betle Linn. leaf extract on protein glycation-quantification and characterization of the antiglycation components. <i>Indian Journal of Biochemistry and Biophysics</i> , 2013, 50, 529-36.	0.0	9
16	Bimolecular interaction of argpyrimidine (a Maillard reaction product) in in vitro non-enzymatic protein glycation model and its potential role as an antiglycating agent. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 1274-1285.	7.5	8
17	Improved bactericidal capacity of UV-B radiation against E. coli strains by photosensitizing bacteria with fructosazine – An advanced Maillard reaction product. <i>Food Chemistry</i> , 2019, 271, 354-361.	8.2	6
18	Nonenzymatic Browning Reactions: Overview. , 2019, , 233-244.		5

#	ARTICLE	IF	CITATIONS
19	The effect of amino acids on non-enzymatic browning of glucosamine: Generation of butterscotch aromatic and bioactive health compounds without detectable levels of neo-formed alkylimidazoles. Food Chemistry, 2020, 308, 125612.	8.2	4