

Dibyajyoti Banerjee

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

743
citations

623734

14
h-index

580821

25
g-index

67
all docs

67
docs citations

67
times ranked

1060
citing authors

#	ARTICLE	IF	CITATIONS
1	Acute organophosphorus poisoning. <i>Clinica Chimica Acta</i> , 2014, 431, 66-76.	1.1	79
2	Urinary hydrogen peroxide: a probable marker of oxidative stress in malignancy. <i>Clinica Chimica Acta</i> , 2003, 334, 205-209.	1.1	60
3	Measurement of plasma hydroperoxide concentration by FOX-1 assay in conjunction with triphenylphosphine. <i>Clinica Chimica Acta</i> , 2003, 337, 147-152.	1.1	57
4	A story of metformin-butyrate synergism to control various pathological conditions as a consequence of gut microbiome modification: Genesis of a wonder drug?. <i>Pharmacological Research</i> , 2017, 117, 103-128.	7.1	55
5	Methods of albumin estimation in clinical biochemistry: Past, present, and future. <i>Clinica Chimica Acta</i> , 2017, 469, 150-160.	1.1	47
6	Neuroprotective effect of Nrf2 activator dimethyl fumarate, on the hippocampal neurons in chemical kindling model in rat. <i>Epilepsy Research</i> , 2018, 143, 98-104.	1.6	30
7	Creatinine Estimation and Interference. <i>Indian Journal of Clinical Biochemistry</i> , 2013, 28, 210-211.	1.9	29
8	Urinary melamine: Proposed parameter of melamine adulteration of food. <i>Nutrition</i> , 2014, 30, 380-385.	2.4	25
9	Measurement of urinary hydrogen peroxide by FOX-1 method in conjunction with catalase in diabetes mellitus—a sensitive and specific approach. <i>Clinica Chimica Acta</i> , 2004, 350, 233-236.	1.1	24
10	Combined inhalational and oral supplementation of ascorbic acid may prevent influenza pandemic emergency: A hypothesis. <i>Nutrition</i> , 2010, 26, 128-132.	2.4	21
11	Acute aluminum phosphide poisoning: The menace of phosphine exposure. <i>Clinica Chimica Acta</i> , 2021, 520, 34-42.	1.1	19
12	Letter: does vitamin D have a potential role against COVID-19?. <i>Alimentary Pharmacology and Therapeutics</i> , 2020, 52, 409-411.	3.7	18
13	Low plasma levels of cholecalciferol and 13-cis-retinoic acid in tuberculosis: Implications in host-based chemotherapy. <i>Nutrition</i> , 2013, 29, 1245-1251.	2.4	16
14	Metformin exerts anti-obesity effect via gut microbiome modulation in prediabetics: A hypothesis. <i>Medical Hypotheses</i> , 2017, 104, 117-120.	1.5	16
15	A novel fluorescence based assay for the detection of organophosphorus pesticide exposed cholinesterase activity using 1-naphthyl acetate. <i>Biochimie</i> , 2019, 160, 100-112.	2.6	16
16	Statin therapy may prevent development of tuberculosis in diabetic state. <i>Medical Hypotheses</i> , 2014, 83, 88-91.	1.5	15
17	Vitamin D regulates the production of vascular endothelial growth factor: A triggering cause in the pathogenesis of rheumatic heart disease?. <i>Medical Hypotheses</i> , 2016, 95, 62-66.	1.5	15
18	Diabetes and tuberculosis. <i>Advances in Clinical Chemistry</i> , 2011, 53, 139-153.	3.7	14

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19	Combined inhalation and oral supplementation of Vitamin A and Vitamin D: A possible prevention and therapy for tuberculosis. <i>Medical Hypotheses</i> , 2015, 84, 199-203.	1.5	14
20	Molecular dynamics simulation as a tool for assessment of drug binding property of human serum albumin. <i>Molecular Biology Reports</i> , 2018, 45, 1647-1652.	2.3	14
21	Inhalational supplementation of metformin butyrate: A strategy for prevention and cure of various pulmonary disorders. <i>Biomedicine and Pharmacotherapy</i> , 2018, 107, 495-506.	5.6	14
22	VDR, RXR, Coronin-1 and Interferon γ Levels in PBMCs of Type-2 Diabetes Patients: Molecular Link between Diabetes and Tuberculosis. <i>Indian Journal of Clinical Biochemistry</i> , 2015, 30, 323-328.	1.9	11
23	Infections. <i>Advances in Clinical Chemistry</i> , 2017, 80, 227-251.	3.7	10
24	Dual blockade of renin angiotensin system in reducing the early changes of diabetic retinopathy and nephropathy in a diabetic rat model. <i>North American Journal of Medical Sciences</i> , 2014, 6, 625.	1.7	9
25	Diabetes and tuberculosis: analysis of a paradox. <i>Advances in Clinical Chemistry</i> , 2011, 53, 139-53.	3.7	8
26	Reduction of urinary thiols in nephrotic syndrome—a possible effect of free iron. <i>Clinica Chimica Acta</i> , 2005, 355, 91-96.	1.1	7
27	1-Naphthyl acetate: A chromogenic substrate for the detection of erythrocyte acetylcholinesterase activity. <i>Biochimie</i> , 2018, 154, 194-209.	2.6	7
28	Pseudoesterase activity-based specific detection of human serum albumin on gel. <i>Talanta</i> , 2021, 224, 121906.	5.5	7
29	Glycation of calmodulin binding domain of iNOS may increase the chance of occurrence of tuberculosis in chronic diabetic state. <i>Bioinformation</i> , 2011, 7, 324-327.	0.5	6
30	Fluorimetric method for specific detection of human serum albumin in urine using its pseudoesterase property. <i>Analytical Biochemistry</i> , 2021, 633, 114402.	2.4	6
31	A color reaction-based rapid screening for null activity of butyrylcholinesterase: A step toward point-of-care screening for succinylcholine apnea. <i>Biotechnology and Applied Biochemistry</i> , 2015, 62, 154-163.	3.1	5
32	Melamine binding with arachidonic acid binding sites of albumin is a potential mechanism for melamine-induced inflammation. <i>Biotechnology and Applied Biochemistry</i> , 2017, 64, 490-495.	3.1	5
33	Pseudoesterase activity of albumin: A probable determinant of cholesterol biosynthesis. <i>Medical Hypotheses</i> , 2018, 115, 42-45.	1.5	5
34	Identification of orcinol reactive substance in pleural fluid cell lysate—A new parameter for classification of pleural effusion. <i>Clinica Chimica Acta</i> , 2010, 411, 671-674.	1.1	4
35	Anti-endothelial cell antibody rich sera from rheumatic heart disease patients induces proinflammatory phenotype and methylation alteration in endothelial cells. <i>Genes and Diseases</i> , 2018, 5, 275-289.	3.4	4
36	Hydrochlorothiazide and Indapamide bind the NADPH binding site of bacterial Dihydrofolate Reductase: results of an in-silico study and their implications. <i>In Silico Pharmacology</i> , 2020, 8, 5.	3.3	4

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37	Application of Tucatinib and Trastuzumab: Dual Anti HER2 Therapy Against HER2 Positive Breast Cancer. Indian Journal of Clinical Biochemistry, 2021, 36, 124-125.	1.9	4
38	Insights from the computational analysis of CD271 glycation in mesenchymal stem cells in diabetes mellitus as a predisposition to latent tuberculosis. Bioinformatics, 2013, 9, 829-831.	0.5	4
39	Whether 25 mM of metformin is achievable in human gut from a therapeutic dose of metformin?. Medical Hypotheses, 2017, 108, 51.	1.5	3
40	Designing of a penta-peptide against drug resistant E. coli. Bioinformatics, 2017, 13, 192-195.	0.5	3
41	A Proposed Method for Identification of Streptomycin Resistance from 16s rRNA Sequence by Co-localization Analysis of Fluorescent Signals: A Step Towards Detection of Streptomycin Resistant Mycobacterium Species in Culture Free and Gene Amplification Independent Technique. Indian Journal of Clinical Biochemistry, 2018, 33, 117-118.	1.9	3
42	The Effect of Recombinant Human Erythropoietin on Bacterial Growth: A Dual-Edged Sword. Kidney Diseases (Basel, Switzerland), 2019, 5, 81-90.	2.5	3
43	Fast Blue B Produces a Light Background on the Gel Surface. Indian Journal of Clinical Biochemistry, 2020, 37, 124-125.	1.9	3
44	Isoniazid and thioacetazone may exhibit anti-tubercular activity by binding directly with the active site of mycolic acid cyclopropane synthase: Hypothesis based on computational analysis. Bioinformatics, 2012, 8, 787-789.	0.5	3
45	A drop of hydrogen peroxide can differentiate exudative pleural effusion from transudate – development of a bedside screening test. Clinica Chimica Acta, 2009, 405, 83-86.	1.1	2
46	Î²-Naphthyl Acetate in Acetone Produces a Dark Background for Staining of Esterase Activity on Gel. Indian Journal of Clinical Biochemistry, 2019, 34, 240-242.	1.9	2
47	A Revisit to a Qualitative Method for the Detection of Organophosphorus Pesticides. Indian Journal of Clinical Biochemistry, 2019, 34, 493-494.	1.9	2
48	Fluorescence spectra of chloroquine suspension: A probable tool for quality assessment of the most common antimalarial in a user-friendly manner. Indian Journal of Pharmacology, 2019, 51, 416.	0.7	2
49	Development of a point of care testing tool to classify peritoneal effusion as exudate and transudate. Clinica Chimica Acta, 2012, 413, 121-125.	1.1	1
50	High dose targeted delivery on cancer sites and the importance of short-chain fatty acids for metformin's action: Two crucial aspects of the wonder drug. Regulatory Toxicology and Pharmacology, 2018, 97, 15-16.	2.7	1
51	A novel insight in favor of structure–function relationship for 16S rRNA. Molecular Biology Reports, 2018, 45, 1569-1573.	2.3	1
52	Plasma Hydrogen Peroxide: A Myth or Reality?. Indian Journal of Clinical Biochemistry, 2019, 34, 118-119.	1.9	1
53	Rifampicin and isoniazid behave as non-creatinine chromogens and interfere with Jaffe's reaction: A phenomenon with the potential to give a false-positive result in creatinine estimation. Indian Journal of Tuberculosis, 2020, 67, 253-256.	0.7	1
54	Coomassie Brilliant Blue Can Visualize a Protein Band Without Destaining: A Quick Visualization Protocol on the Agarose Gel. Indian Journal of Clinical Biochemistry, 2021, 36, 248-249.	1.9	1

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55	Prediction of remdesivir resistance in COVID-19 illness: Need for development of clinical laboratory test. Indian Journal of Clinical Biochemistry, 2021, 36, 498-499.	1.9	1
56	Exploration of effect of metformin in Amyloid beta (1-42) and streptozotocin induced rodent models of Alzheimer's disease. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-1-54.	0.0	1
57	Whether heparin causes hemolysis: an in silico and in vitro study. Indian Journal of Thoracic and Cardiovascular Surgery, 2022, 38, 566-569.	0.6	1
58	Whether Lack of Measurement of Erythrocyte Cholinesterase or Acetyl Cholinesterase Activity Providing us Misleading Information in Organophosphorus Exposure?. Indian Journal of Clinical Biochemistry, 2018, 33, 487-488.	1.9	0
59	Metformin and Rifampicin combination augments active to latent tuberculosis conversion: A computational study. Biotechnology and Applied Biochemistry, 2020, , .	3.1	0
60	Retinoic Acid and Iron Metabolism: A Step Towards Design of a Novel Antitubercular Drug. Current Pharmaceutical Biotechnology, 2014, 15, 1166-1172.	1.6	0
61	Detection of Human Serum Albumin on Gel from Sample Obtained from Different Cardiopulmonary Bypass (CPB) Filtrates in a Patient on Cardiopulmonary Bypass Surgery. Indian Journal of Clinical Biochemistry, 0, , 1.	1.9	0