

Rivan Ahmad

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

675
citations

516561

16
h-index

580701

25
g-index

37
all docs

37
docs citations

37
times ranked

894
citing authors

#	ARTICLE	IF	CITATIONS
1	Contrasting effects of biochar, compost and farm manure on alleviation of nickel toxicity in maize (<i>Zea mays</i> L.) in relation to plant growth, photosynthesis and metal uptake. <i>Ecotoxicology and Environmental Safety</i> , 2016, 133, 218-225.	2.9	178
2	Molecular switch model for cardiomyocyte proliferation. <i>Cell Regeneration</i> , 2019, 8, 12-20.	1.1	41
3	Transient and steady state responses of pulmonary ventilation to the medullary extracellular pH after approximately rectangular changes in alveolar P_{CO_2} . <i>Pflugers Archiv European Journal of Physiology</i> , 1982, 395, 285-292.	1.3	33
4	Silicon fertilization – A tool to boost up drought tolerance in wheat (<i>Triticum aestivum</i> L.) crop for better yield. <i>Journal of Plant Nutrition</i> , 2016, 39, 1283-1291.	0.9	31
5	Fast bicarbonate-chloride exchange between brain cells and brain extracellular fluid in respiratory acidosis. <i>Pflugers Archiv European Journal of Physiology</i> , 1982, 395, 293-299.	1.3	30
6	Organic and Inorganic Amendments Affect Soil Concentration and Accumulation of Cadmium and Lead in Wheat in Calcareous Alkaline Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2010, 42, 111-122.	0.6	30
7	Assessment of noise pollution and its effects on human health in industrial hub of Pakistan. <i>Environmental Science and Pollution Research</i> , 2020, 27, 2819-2828.	2.7	28
8	Hypotensive and spasmolytic activities of crude extract of <i>Cyperus scariosus</i> . <i>Archives of Pharmacal Research</i> , 1994, 17, 145-149.	2.7	26
9	Fast bicarbonate-chloride exchange between plasma and brain extracellular fluid at maintained P_{CO_2} . <i>Pflugers Archiv European Journal of Physiology</i> , 1982, 395, 300-305.	1.3	23
10	Comparison of Low-Molecular-Weight Organic Acids and Ethylenediaminetetraacetic Acid to Enhance Phytoextraction of Heavy Metals by Maize. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 42-52.	0.6	22
11	Differential receptor dependencies. <i>Anti-Cancer Drugs</i> , 2017, 28, 75-87.	0.7	22
12	INFLUENCE OF FARMYARD MANURE ON RETENTION AND AVAILABILITY OF NICKEL, ZINC AND LEAD IN METAL-CONTAMINATED CALCAREOUS LOAM SOILS. <i>Journal of Environmental Engineering and Landscape Management</i> , 2017, 25, 289-296.	0.4	20
13	Three Compartments Model for the Bicarbonate Exchange of the Brain Extracellular Fluid with Blood and Cells. <i>Advances in Experimental Medicine and Biology</i> , 1978, 99, 195-209.	0.8	20
14	Mechanism of Methacholine Dose-Response Plateaus in Normal Subjects. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1998, 158, 666-669.	2.5	19
15	Traced on the Timeline: Discovery of Acetylcholine and the Components of the Human Cholinergic System in a Primitive Unicellular Eukaryote <i>Acanthamoeba</i> spp.. <i>ACS Chemical Neuroscience</i> , 2018, 9, 494-504.	1.7	18
16	Opportunities and challenges in the remediation of metal-contaminated soils by using tobacco (<i>Nicotiana tabacum</i> L.): a critical review. <i>Environmental Science and Pollution Research</i> , 2019, 26, 18053-18070.	2.7	17
17	Transients and Steady State of Chloride-Bicarbonate Relationships of Brain Extra-Cellular Fluid. <i>Proceedings in Life Sciences</i> , 1980, , 439-448.	0.5	16
18	Evidence of a M_{1} -muscarinic GPCR homolog in unicellular eukaryotes: featuring <i>Acanthamoeba</i> spp bioinformatics 3D-modelling and experimentations. <i>Journal of Receptor and Signal Transduction Research</i> , 2017, 37, 267-275.	1.3	14

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19	Implications of genetic variation of common Drug Metabolizing Enzymes and ABC Transporters among the Pakistani Population. <i>Scientific Reports</i> , 2019, 9, 7323.	1.6	14
20	Fertilizers and Environment: Issues and Challenges. , 2015, , 575-598.		11
21	Application of GIS for the identification and demarcation of selective heavy metal concentrations in the urban groundwater. <i>Journal of Chinese Geography</i> , 2015, 25, 225-235.	1.5	10
22	High residual sodium carbonate water in the Indian subcontinent: concerns, challenges and remediation. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 3257-3272.	1.8	10
23	Antibiotic Effects of Loperamide: Homology of Human Targets of Loperamide with Targets in <i>Acanthamoeba</i> spp.. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2017, 12, 44-60.	0.5	7
24	Spatio-temporal impacts of dairy lagoon water reuse on soil: heavy metals and salinity. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 1731-1748.	1.7	6
25	Evolution of pH buffers and water homeostasis in eukaryotes: homology between humans and <i>Acanthamoeba</i> proteins. <i>Future Microbiology</i> , 2018, 13, 195-207.	1.0	5
26	A Preliminary Assessment and Control Strategy of Size Segregated Pollutants in Urban and Peri-urban Areas of Metropolitan Faisalabad, Pakistan. <i>Pakistan Journal of Analytical and Environmental Chemistry</i> , 2018, 19, 146-152.	0.2	5
27	How to write a Doctoral Thesis. <i>Pakistan Journal of Medical Sciences</i> , 1969, 32, 270-3.	0.3	4
28	Dynamic and steady state response of heart rate to orthostatic stress in normotensive and hypertensive pregnant women. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 1996, 66, 31-37.	0.5	3
29	Is biological repair of Heart on the Horizon?. <i>Pakistan Journal of Medical Sciences</i> , 2017, 33, 1042-1046.	0.3	3
30	Bronchodilator Response in Pulmonary Disease at Two Different States of Respiratory Mechanics. <i>Respiration</i> , 1996, 63, 288-291.	1.2	2
31	The Kinetics of the Potassium Concentration in Brain Extracellular Fluid During Respiratory and Metabolic Disturbances. , 1981, , 116-121.		2
32	WHEAT ASSIMILATION OF NICKEL AND ZINC ADDED IN IRRIGATION WATER AS AFFECTED BY ORGANIC MATTER. <i>Journal of Plant Nutrition</i> , 2010, 34, 27-33.	0.9	1
33	A New Model of Master of Philosophy in Physiological Sciences. <i>Pakistan Journal of Medical Sciences</i> , 2016, 32, 1296-1301.	0.3	1
34	Dialectics of Imagination and Experimentation: Basic Science Research in Developing Countries. <i>Pakistan Journal of Medical Sciences</i> , 2017, 33, 248.	0.3	1
35	Evidence for a Carrier Mediated Exchange Diffusion of HCO ₃ ⁻ Against Cl ⁻ at the Interphases of the Central Nervous System. <i>Proceedings in Life Sciences</i> , 1983, , 13-21.	0.5	1
36	When is deceased organ donation suitable? A critical reflection on medical criteria. <i>Pakistan Journal of Medical Sciences</i> , 2019, 35, 581-582.	0.3	1

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37	A New Model for PhD Elective Course. Pakistan Journal of Medical Sciences, 2017, 33, 782.	0.3	0