Kavindra Kumar Kesari

List of Publications by Year
in descending order

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128	3,816	156536	169272
papers	citations	32 h-index	56 g-index

132	132	132	3777
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bibliometrics: tracking research impact by selecting the appropriate metrics. Asian Journal of Andrology, 2016, 18, 296.	0.8	320
2	Oxidative Stress in Cancer Cell Metabolism. Antioxidants, 2021, 10, 642.	2.2	231
3	Specific targeting cancer cells with nanoparticles and drug delivery in cancer therapy. Seminars in Cancer Biology, 2021, 69, 166-177.	4.3	197
4	Cell phones and male infertility: a review of recent innovations in technology and consequences. International Braz J Urol: Official Journal of the Brazilian Society of Urology, 2011, 37, 432-454.	0.7	168
5	Pathophysiology of cell phone radiation: oxidative stress and carcinogenesis with focus on male reproductive system. Reproductive Biology and Endocrinology, 2009, 7, 114.	1.4	149
6	Radiations and male fertility. Reproductive Biology and Endocrinology, 2018, 16, 118.	1.4	137
7	Wastewater Treatment and Reuse: a Review of its Applications and Health Implications. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	126
8	Effects of Radiofrequency Electromagnetic Wave Exposure from Cellular Phones on the Reproductive Pattern in Male Wistar Rats. Applied Biochemistry and Biotechnology, 2011, 164, 546-559.	1.4	122
9	Evidence of Coronavirus (CoV) Pathogenesis and Emerging Pathogen SARS-CoV-2 in the Nervous System: A Review on Neurological Impairments and Manifestations. Journal of Molecular Neuroscience, 2021, 71, 2192-2209.	1.1	89
10	900-MHz microwave radiation promotes oxidation in rat brain. Electromagnetic Biology and Medicine, 2011, 30, 219-234.	0.7	87
11	Effects of hydroxyapatite nanoparticles on proliferation and apoptosis of human breast cancer cells (MCF-7). Journal of Nanoparticle Research, 2012, 14, 1.	0.8	87
12	Interplay of gut microbiota and oxidative stress: Perspective on neurodegeneration and neuroprotection. Journal of Advanced Research, 2022, 38, 223-244.	4.4	86
13	Potential Environmental and Human Health Risks Caused by Antibiotic-Resistant Bacteria (ARB), Antibiotic Resistance Genes (ARGs) and Emerging Contaminants (ECs) from Municipal Solid Waste (MSW) Landfill. Antibiotics, 2021, 10, 374.	1.5	80
14	Evidence for mobile phone radiation exposure effects on reproductive pattern of male rats: Role of ROS. Electromagnetic Biology and Medicine, 2012, 31, 213-222.	0.7	77
15	Biophysical Evaluation of Radiofrequency Electromagnetic Field Effects on Male Reproductive Pattern. Cell Biochemistry and Biophysics, 2013, 65, 85-96.	0.9	62
16	Mutagenic response of 2.45â€‰GHz radiation exposure on rat brain. International Journal of Radiation Biology, 2010, 86, 334-343.	1.0	60
17	Therapeutic approaches of melatonin in microwave radiations-induced oxidative stress-mediated toxicity on male fertility pattern of Wistar rats. Electromagnetic Biology and Medicine, 2014, 33, 81-91.	0.7	53
18	The therapeutic effect of a pulsed electromagnetic field on the reproductive patterns of male Wistar rats exposed to a 2.45-GHz microwave field. Clinics, 2011, 66, 1237-1245.	0.6	52

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19	Neuroprotective Potential of Limonene and Limonene Containing Natural Products. Molecules, 2021, 26, 4535.	1.7	50
20	Fifty-gigahertz Microwave Exposure Effect of Radiations on Rat Brain. Applied Biochemistry and Biotechnology, 2009, 158, 126-139.	1.4	49
21	Effect of 3G Cell Phone Exposure with Computer Controlled 2-D Stepper Motor on Non-thermal Activation of the hsp27/p38MAPK Stress Pathway in Rat Brain. Cell Biochemistry and Biophysics, 2014, 68, 347-358.	0.9	49
22	Cell phone radiation exposure on brain and associated biological systems. Indian Journal of Experimental Biology, 2013, 51, 187-200.	0.5	49
23	Microwave Exposure Affecting Reproductive System in Male Rats. Applied Biochemistry and Biotechnology, 2010, 162, 416-428.	1.4	48
24	Effects of microwave at 2.45 GHz radiations on reproductive system of male rats. Toxicological and Environmental Chemistry, 2010, 92, 1135-1147.	0.6	47
25	Multidisciplinary Approaches to Handling Wastes in Sugar Industries. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	47
26	Microwave radiation (2.45 GHz)-induced oxidative stress: Whole-body exposure effect on histopathology of Wistar rats. Electromagnetic Biology and Medicine, 2017, 36, 1-11.	0.7	45
27	Mechanistic role of HPV-associated early proteins in cervical cancer: Molecular pathways and targeted therapeutic strategies. Critical Reviews in Oncology/Hematology, 2022, 174, 103675.	2.0	44
28	Influence of microwave exposure on fertility of male rats. Fertility and Sterility, 2011, 95, 1500-1502.	0.5	43
29	In Silico Analysis of Green Tea Polyphenols as Inhibitors of AChE and BChE Enzymes in Alzheimerâ€™s Disease Treatment. CNS and Neurological Disorders - Drug Targets, 2016, 15, 624-628.	0.8	43
30	Recent advances in the application of biochar in microbial electrochemical cells. Fuel, 2022, 311, 122501.	3.4	43
31	Molecular mechanism(s) of regulation(s) of c-MET/HGF signaling in head and neck cancer. Molecular Cancer, 2022, 21, 31.	7.9	42
32	Mobile phone usage and male infertility in Wistar rats. Indian Journal of Experimental Biology, 2010, 48, 987-92.	0.5	42
33	Radiofrequency electromagnetic radiation-induced behavioral changes and their possible basis. Environmental Science and Pollution Research, 2019, 26, 30693-30710.	2.7	41
34	CRISPR/Cas9 gene editing: New hope for Alzheimer's disease therapeutics. Journal of Advanced Research, 2022, 40, 207-221.	4.4	37
35	miRNAs in SARS-CoV 2: A Spoke in the Wheel of Pathogenesis. Current Pharmaceutical Design, 2021, 27, 1628-1641.	0.9	33
36	Induction of micronuclei and superoxide production in neuroblastoma and glioma cell lines exposed to weak 50 Hz magnetic fields. Journal of the Royal Society Interface, 2016, 13, 20150995.	1.5	29

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37	An overview of nanoscale materials on the removal of wastewater contaminants. Applied Water Science, 2020, 10, 1.	2.8	29
38	Fostering mesenchymal stem cell therapy to halt cytokine storm in COVID-19. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166014.	1.8	29
39	Genomic instability induced by 50Hz magnetic fields is a dynamically evolving process not blocked by antioxidant treatment. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2015, 794, 46-51.	0.9	28
40	Environmental Factors-Induced Oxidative Stress: Hormonal and Molecular Pathway Disruptions in Hypogonadism and Erectile Dysfunction. Antioxidants, 2021, 10, 837.	2.2	28
41	Scavenging Properties of Plant-Derived Natural Biomolecule Para-Coumaric Acid in the Prevention of Oxidative Stress-Induced Diseases. Antioxidants, 2021, 10, 1205.	2.2	27
42	Viral pathogenesis of SARS-CoV-2 infection and male reproductive health. Open Biology, 2021, 11, 200347.	1.5	25
43	Re-establishing the comprehension of phytomedicine and nanomedicine in inflammation-mediated cancer signaling. Seminars in Cancer Biology, 2022, 86, 1086-1104.	4.3	25
44	Applications of lignin nanoparticles for cancer drug delivery: An update. Materials Letters, 2022, 311, 131573.	1.3	24
45	Current trends in bio-waste mediated metal/metal oxide nanoparticles for drug delivery. Journal of Drug Delivery Science and Technology, 2022, 71, 103305.	1.4	24
46	Pathophysiology of Microwave Radiation: Effect on Rat Brain. Applied Biochemistry and Biotechnology, 2012, 166, 379-388.	1.4	23
47	Ten gigahertz microwave radiation impairs spatial memory, enzymes activity, and histopathology of developing mice brain. Molecular and Cellular Biochemistry, 2017, 435, 1-13.	1.4	20
48	Evaluation of genotoxic effects in male Wistar rats following microwave exposure. Indian Journal of Experimental Biology, 2010, 48, 586-92.	0.5	20
49	Direction-Dependent Effects of Combined Static and ELF Magnetic Fields on Cell Proliferation and Superoxide Radical Production. BioMed Research International, 2017, 2017, 1-8.	0.9	19
50	Recent Advances in Cardiac Tissue Engineering for the Management of Myocardium Infarction. Cells, 2021, 10, 2538.	1.8	19
51	Alzheimer's disease-like perturbations in HIV-mediated neuronal dysfunctions: understanding mechanisms and developing therapeutic strategies. Open Biology, 2020, 10, 200286.	1.5	19
52	Plant-Derived Natural Biomolecule Picein Attenuates Menadione Induced Oxidative Stress on Neuroblastoma Cell Mitochondria. Antioxidants, 2020, 9, 552.	2.2	18
53	Physical methods in wastewater treatment. International Journal of Environmental Technology and Management, 2011, 14, 43.	0.1	17
54	Metabolic regulation in HPV associated head and neck squamous cell carcinoma. Life Sciences, 2020, 258, 118236.	2.0	17

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55	Phytochemicals from Indian Ethnomedicines: Promising Prospects for the Management of Oxidative Stress and Cancer. Antioxidants, 2021, 10, 1606.	2.2	17
56	Titanium dioxide nanoparticles provide protection against polycyclic aromatic hydrocarbon BaP and chryseneâ€induced perturbation of DNA repair machinery: A computational biology approach. Biotechnology and Applied Biochemistry, 2016, 63, 497-513.	1.4	15
57	Cellulose elementary fibril orientation in the spruce S1-2 transition layer. Scientific Reports, 2019, 9, 3869.	1.6	15
58	Nanoparticulate RNA delivery systems in cancer. Cancer Reports, 2020, 3, e1271.	0.6	15
59	Current Understanding of Novel Coronavirus: Molecular Pathogenesis, Diagnosis, and Treatment Approaches. Immuno, 2021, 1, 30-66.	0.6	15
60	Molecular Insights into Therapeutic Potentials of Hybrid Compounds Targeting Alzheimerâ€™s Disease. Molecular Neurobiology, 2022, 59, 3512-3528.	1.9	15
61	Mechanistic Effect of Heavy Metals in Neurological Disorder and Brain Cancer. Environmental Science and Engineering, 2019, , 25-47.	0.1	14
62	The influence of prenatal 10 GHz microwave radiation exposure on a developing mice brain. General Physiology and Biophysics, 2017, 36, 41-51.	0.4	13
63	Phytomedicines Targeting Cancer Stem Cells: Therapeutic Opportunities and Prospects for Pharmaceutical Development. Pharmaceuticals, 2021, 14, 676.	1.7	13
64	Anticancer therapeutic efficacy of biogenic Am-ZnO nanoparticles on 2D and 3D tumor models. Materials Today Chemistry, 2021, 22, 100618.	1.7	13
65	Comprehensive Analysis of Global Research on Human Varicocele: A Scientometric Approach. World Journal of Men?s Health, 2022, 40, .	1.7	13
66	Ultrasonic impact on bacterial population in sewage sample. International Journal of Environment and Waste Management, 2008, 2, 233.	0.2	12
67	The <scp>FBXW7â€NOTCH interactome</scp>: A ubiquitin proteasomal systemâ€induced crosstalk modulating oncogenic transformation in human tissues. Cancer Reports, 2021, 4, e1369.	0.6	12
68	A Computational Study of Natural Compounds from Bacopa monnieri in the Treatment of Alzheimer's Disease. Current Pharmaceutical Design, 2020, 26, 790-800.	0.9	12
69	Effect of 2.45 GHz microwave radiation onÂtheÂfertility pattern inÂmale mice. General Physiology and Biophysics, 2018, 37, 453-460.	0.4	12
70	Molecular mechanisms of developmental pathways in neurological disorders: a pharmacological and therapeutic review. Open Biology, 2022, 12, 210289.	1.5	12
71	Cellulose dissolution in aqueous NaOHâ€“ZnO: cellulose reactivity and the role of ZnO. Cellulose, 2021, 28, 1267-1281.	2.4	11
72	Synthesis, In Silico Study, and Anti-Cancer Activity of Thiosemicarbazone Derivatives. Biomedicines, 2021, 9, 1375.	1.4	11

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73	Food-Grade Quercetin-Loaded Nanoemulsion Ameliorates Effects Associated with Parkinsonâ€™s Disease and Cancer: Studies Employing a Transgenic C. elegans Model and Human Cancer Cell Lines. Antioxidants, 2022, 11, 1378.	2.2	11
74	Immunotherapy for Alzheimerâ€™s Disease: Current Scenario and Future Perspectives. journal of prevention of Alzheimer's disease, The, 2021, 8, 1-18.	1.5	10
75	Chemical characterization and ultrastructure study of pulp fibers. Materials Today Chemistry, 2020, 17, 100324.	1.7	9
76	Bracing NK cell based therapy to relegate pulmonary inflammation in COVID-19. Heliyon, 2021, 7, e07635.	1.4	9
77	Nanomaterials in Alzheimerâ€™s disease treatment: a comprehensive review. Frontiers in Bioscience, 2021, 26, 851.	0.8	9
78	Molecular mechanisms of interplay between autophagy and metabolism in cancer. Life Sciences, 2020, 259, 118184.	2.0	8
79	A concise review on the cultivation of microalgal biofilms for biofuel feedstock production. Biomass Conversion and Biorefinery, 2024, 14, 7219-7236.	2.9	8
80	Nanoparticles: Applications, Toxicology and Safety Aspects. Environmental Science and Engineering, 2017, , 47-70.	0.1	7
81	Investigation of Precise Molecular Mechanistic Action of Tobacco-Associated Carcinogen `NNKÂ´ Induced Carcinogenesis: A System Biology Approach. Genes, 2019, 10, 564.	1.0	7
82	Infrared photo-induced force microscopy unveils nanoscale features of Norway spruce fibre wall. Cellulose, 2021, 28, 7295-7309.	2.4	7
83	Unravelling the molecular mechanism of mutagenic factors impacting human health. Environmental Science and Pollution Research, 2022, 29, 61993-62013.	2.7	7
84	Nanotechnology-based therapeutic formulations in the battle against animal coronaviruses: an update. Journal of Nanoparticle Research, 2021, 23, 229.	0.8	7
85	Immunological Mechanisms of Vaccine-Induced Protection against SARS-CoV-2 in Humans. Immuno, 2021, 1, 442-456.	0.6	7
86	Ultrasonic irradiation of activated industrial sludge. International Journal of Environment and Pollution, 2010, 43, 52.	0.2	6
87	Vitamin K2 Modulates Organelle Damage and Tauopathy Induced by Streptozotocin and Menadione in SH-SY5Y Cells. Antioxidants, 2021, 10, 983.	2.2	6
88	Insights into the cytoprotective potential of Bergenia ligulata against oxalate-induced oxidative stress and epithelialâ€“mesenchymal transition (EMT) via TGFÎ²1/p38MAPK pathway in human renal epithelial cells. Urolithiasis, 2022, 50, 259-278.	1.2	6
89	Scope of Nanoparticles in Environmental Toxicant Remediation. , 2019, , 31-44.		5
90	Deciphering the SSR incidences across viral members of Coronaviridae family. Chemico-Biological Interactions, 2020, 331, 109226.	1.7	5

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91	Review Processing, Properties and Applications of Agricultural Solid Waste: Effect of an Open Burning in Environmental Toxicology. Environmental Science and Engineering, 2017, , 161-181.	0.1	5
92	Synthesis and characterization of biocompatible bimetallic-semi-aromatic polyester hybrid nanocomposite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 633, 127845.	2.3	5
93	Differential Activity of Antioxidants in Testicular Tissues Following Administration of Chlorophytum borivilianum in Gamma-Irradiated Swiss Albino Mice. Frontiers in Pharmacology, 2021, 12, 774444.	1.6	5
94	Principal Component and Path Analysis for Trait Selection Based on the Assessment of Diverse Lentil Populations Developed by Gamma-Irradiated Physical Mutation. BioMed Research International, 2022, 2022, 1-14.	0.9	5
95	Radiofrequency Electromagnetic Field Exposure Effects on Antioxidant Enzymes and Liver Function Tests. LS International Journal of Life Sciences, 2012, 1, 233.	0.2	4
96	Effect of mobile phone radiation exposure on reproductive system of male rats. , 2008, , .		3
97	RAGE Exacerbate Amyloid Beta (AÎ²) Induced Alzheimer Pathology: A Systemic Overview. Environmental Science and Engineering, 2019, , 159-170.	0.1	3
98	Advanced drug delivery approaches in managing TGF-Î²-mediated remodeling in lung diseases. Nanomedicine, 2021, 16, 2243-2247.	1.7	3
99	Recent Publication Trends in Radiotherapy and Male Infertility over Two Decades: A Scientometric Analysis. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	3
100	Effect of anaemia on cognitive function in children. International Journal of Food Safety, Nutrition and Public Health, 2009, 2, 16.	0.1	2
101	Biodiesel production from crude oil of Jatropha curcas and Pongamia pinnata by transesterification process. International Journal of Oil, Gas and Coal Technology, 2011, 4, 192.	0.1	2
102	Molecular modulations and influence of acclimation of Ni on acute Ni toxicity in Plectonema boryanum. Turkish Journal of Biochemistry, 2016, 41, 393-402.	0.3	2
103	LPO and ROS Production in Rat Brain Exposed to Microwaves: Computational Elucidation of Melatonin in Repair System. Environmental Science and Engineering, 2017, , 31-46.	0.1	2
104	Î±-Amylase Inhibitorâ€™s Performance in the Control of Diabetes Mellitus: An Application of Computational Biology. , 2018, , 307-332.		2
105	Biological databases and tools for neurological disorders. Journal of Integrative Neuroscience, 2022, 21, 041.	0.8	2
106	Sleep Disturbanceâ€“Induced Free Radical Formation in the Gut May Be Blocked byÂMelatonin. Molecular and Integrative Toxicology, 2021, , 253-261.	0.5	2
107	Microbial and lignocellulosic biomass based dye decolourization. Biomass Conversion and Biorefinery, 0, , 1.	2.9	2
108	High precision pulp-based sacrificial molds: A solution towards mass production of hollow ceramic spheres for deep sea applications. Ceramics International, 2022, 48, 8235-8244.	2.3	2

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109	Probing the Immune System Dynamics of the COVID-19 Disease for Vaccine Designing and Drug Repurposing Using Bioinformatics Tools. Immuno, 2022, 2, 344-371.	0.6	2
110	Carcinogenic Toxicity of Cigarette Smoke: A Computational Enzymatic Interaction and DNA Repair Pathways. Environmental Science and Engineering, 2017, , 125-146.	0.1	1
111	Neurophysiological and Behavioral Dysfunctions After Electromagnetic Field Exposure: A Dose Response Relationship. Environmental Science and Engineering, 2017, , 1-30.	0.1	1
112	Catalytic efficiency and stability of tertiary amines in oxidation of methyl 4-deoxy-Î²-L-threo-hex-4-enopyranosiduronic acid by hypochlorous acid. Molecular Catalysis, 2019, 474, 110413.	1.0	1
113	Elucidation of Scavenging Properties of Nanoparticles in the Prevention of Carcinogenicity Induced by Cigarette Smoke Carcinogens: An In Silico Study. Environmental Science and Engineering, 2019, , 171-183.	0.1	1
114	A Comparative Cross-Platform Meta-Analysis to Identify Potential Biomarker Genes Common to Endometriosis and Recurrent Pregnancy Loss. Applied Sciences (Switzerland), 2021, 11, 3349.	1.3	1
115	Cannabinoid Type-2 Receptor Agonist, JWH133 May Be a Possible Candidate for Targeting Infection, Inflammation, and Immunity in COVID-19. Immuno, 2021, 1, 285-304.	0.6	1
116	Clinical Relevance of â€œBiomarkersâ€•in Cancer Metabolism. , 2020, , 127-146.		1
117	The Identification of Ethidium Bromide-Degrading Bacteria from Laboratory Gel Electrophoresis Waste. BioTech, 2022, 11, 4.	1.3	1
118	Biometric Indices, Physio-Metabolic Responses and Carcass Quality in Rohu (Labeo rohita) during Feed Deprivation. Animals, 2022, 12, 769.	1.0	1
119	50GHz microwave exposure effect of radiations on offspring and rats brain. , 2008, , .		0
120	Biomarkers inducing changes due to microwave exposure effect on rat brain. , 2011, , .		0
121	Networking of Smart Drugs: A Chem-Bioinformatic Approach to Cancer Treatment. Methods in Pharmacology and Toxicology, 2018, , 529-555.	0.1	0
122	System Network Biology Approaches in Exploring of Mechanism Behind Mutagenesis. Environmental Science and Engineering, 2019, , 117-136.	0.1	0
123	Identification of biomolecules for Alzheimer's disease using docking analysis of tau protein. NeuroPharmac Journal, 0, , 192-203.	0.1	0
124	Total Stromal Fraction (TSF) - Fortified Adipose tissue-derived Stem Cells Source: An Emerging Regenerative Realm Against COVID-19 Induced Pulmonary Compromise. Coronaviruses, 2021, 02, .	0.2	0
125	Influence of Wastewater Use in Agriculture: Advances in Human and Plant Health. , 2018, , 231-246.		0
126	Nanotechnology as an emerging pathway for cancer therapy and diagnosis. Current Pharmaceutical Design, 2018, 24, .	0.9	0

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127	Microbial Cholesterol Oxidase: Industrial Applications. Microorganisms for Sustainability, 2020, , 303-317.	0.4	0
128	Molecular Pathogenesis and Treatment Approaches of COVID-19 â€“ A Comprehensive Review. SSRN Electronic Journal, 0, , .	0.4	0