

Manoj Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

3,513
citations

147566

31
h-index

189595

50
g-index

109
all docs

109
docs citations

109
times ranked

2641
citing authors

#	ARTICLE	IF	CITATIONS
1	Anti-Inflammatory Treatments for Chronic Diseases: A Review. <i>Inflammation and Allergy: Drug Targets</i> , 2013, 12, 349-361.	1.8	229
2	Advances in the plant protein extraction: Mechanism and recommendations. <i>Food Hydrocolloids</i> , 2021, 115, 106595.	5.6	173
3	Enhancing the functionality of chitosan- and alginate-based active edible coatings/films for the preservation of fruits and vegetables: A review. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 304-320.	3.6	172
4	Investigation of luminescence and structural properties of ZnO nanoparticles, synthesized with different precursors. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1413-1421.	3.2	113
5	Plant-based proteins and their multifaceted industrial applications. <i>LWT - Food Science and Technology</i> , 2022, 154, 112620.	2.5	93
6	Guava (<i>Psidium guajava</i> L.) Leaves: Nutritional Composition, Phytochemical Profile, and Health-Promoting Bioactivities. <i>Foods</i> , 2021, 10, 752.	1.9	92
7	Recent trends in extraction of plant bioactives using green technologies: A review. <i>Food Chemistry</i> , 2021, 353, 129431.	4.2	92
8	Lycopene: Food Sources, Biological Activities, and Human Health Benefits. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-10.	1.9	81
9	Onion (<i>Allium cepa</i> L.) peels: A review on bioactive compounds and biomedical activities. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112498.	2.5	78
10	Emerging trends in pectin extraction and its anti-microbial functionalization using natural bioactives for application in food packaging. <i>Trends in Food Science and Technology</i> , 2020, 105, 223-237.	7.8	72
11	Cottonseed: A sustainable contributor to global protein requirements. <i>Trends in Food Science and Technology</i> , 2021, 111, 100-113.	7.8	70
12	Functional characterization of plant-based protein to determine its quality for food applications. <i>Food Hydrocolloids</i> , 2022, 123, 106986.	5.6	65
13	Rice Bran Oil: Emerging Trends in Extraction, Health Benefit, and Its Industrial Application. <i>Rice Science</i> , 2021, 28, 217-232.	1.7	63
14	Ultrasound-assisted development of stable grapefruit peel polyphenolic nano-emulsion: Optimization and application in improving oxidative stability of mustard oil. <i>Food Chemistry</i> , 2021, 334, 127561.	4.2	60
15	Valorisation of black carrot pomace: microwave assisted extraction of bioactive phytochemicals and antioxidant activity using Boxâ€œBehnken design. <i>Journal of Food Science and Technology</i> , 2019, 56, 995-1007.	1.4	58
16	Diosgenin: An Updated Pharmacological Review and Therapeutic Perspectives. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-17.	1.9	58
17	Tomato (<i>Solanum lycopersicum</i> L.) seed: A review on bioactives and biomedical activities. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 112018.	2.5	52
18	Morphology-dependent structural and optical properties of ZnO nanostructures. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	51

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19	Mango (<i>Mangifera indica</i> L.) Leaves: Nutritional Composition, Phytochemical Profile, and Health-Promoting Bioactivities. <i>Antioxidants</i> , 2021, 10, 299.	2.2	51
20	Pearl millet grain as an emerging source of starch: A review on its structure, physicochemical properties, functionalization, and industrial applications. <i>Carbohydrate Polymers</i> , 2021, 260, 117776.	5.1	50
21	Beneficial Role of Antioxidant Secondary Metabolites from Medicinal Plants in Maintaining Oral Health. <i>Antioxidants</i> , 2021, 10, 1061.	2.2	50
22	Citrus Genus and Its Waste Utilization: A Review on Health-Promoting Activities and Industrial Application. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-17.	0.5	50
23	Synthesis and characterization of hybrid PANI/MWCNT nanocomposites for EMI applications. <i>Polymer Composites</i> , 2018, 39, 3858-3868.	2.3	47
24	A Pharmacological Perspective on Plant-derived Bioactive Molecules for Epilepsy. <i>Neurochemical Research</i> , 2021, 46, 2205-2225.	1.6	42
25	Evaluation of enzyme and microwave-assisted conditions on extraction of anthocyanins and total phenolics from black soybean (<i>Glycine max</i> L.) seed coat. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 1070-1081.	3.6	41
26	Evaluation of Nutritional, Phytochemical, and Mineral Composition of Selected Medicinal Plants for Therapeutic Uses from Cold Desert of Western Himalaya. <i>Plants</i> , 2021, 10, 1429.	1.6	40
27	Natural Antimicrobials as Additives for Edible Food Packaging Applications: A Review. <i>Foods</i> , 2021, 10, 2282.	1.9	40
28	Garlic (<i>Allium sativum</i> L.) Bioactives and Its Role in Alleviating Oral Pathologies. <i>Antioxidants</i> , 2021, 10, 1847.	2.2	40
29	Moringa (<i>Moringa oleifera</i> Lam.) polysaccharides: Extraction, characterization, bioactivities, and industrial application. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 763-778.	3.6	40
30	Custard Apple (<i>Annona squamosa</i> L.) Leaves: Nutritional Composition, Phytochemical Profile, and Health-Promoting Biological Activities. <i>Biomolecules</i> , 2021, 11, 614.	1.8	38
31	Litchi (<i>Litchi chinensis</i>) seed: Nutritional profile, bioactivities, and its industrial applications. <i>Trends in Food Science and Technology</i> , 2021, 108, 58-70.	7.8	36
32	Citrinin Mycotoxin Contamination in Food and Feed: Impact on Agriculture, Human Health, and Detection and Management Strategies. <i>Toxins</i> , 2022, 14, 85.	1.5	36
33	Recent developments in applications of lactic acid bacteria against mycotoxin production and fungal contamination. <i>Food Bioscience</i> , 2021, 44, 101444.	2.0	34
34	Flower-like Bi ₂ S ₃ nanostructures as highly efficient anodes for all-solid-state lithium-ion batteries. <i>RSC Advances</i> , 2019, 9, 29549-29555.	1.7	33
35	Extraction of ultra-low gossypol protein from cottonseed: Characterization based on antioxidant activity, structural morphology and functional group analysis. <i>LWT - Food Science and Technology</i> , 2021, 140, 110692.	2.5	31
36	Tuning of fermi level in antimony telluride thin films by low-energy Fe ²⁺ -ion implantation. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	31

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37	Antioxidant Activity of Antiviral Proteins from <i>Celosia cristata</i> . <i>Journal of Plant Biochemistry and Biotechnology</i> , 2004, 13, 13-18.	0.9	30
38	Electrical behavior of dual-morphology polyaniline. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	29
39	Electrochemical sensor for detection of mercury (II) ions in water using nanostructured bismuth hexagons. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	29
40	Flavonoids as potential anti-platelet aggregation agents: from biochemistry to health promoting abilities. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 8045-8058.	5.4	28
41	Highly stable nanostructured Bi ₂ Se ₃ anode material for all solid-state lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 838, 155403.	2.8	28
42	Trichothecenes in food and feed: Occurrence, impact on human health and their detection and management strategies. <i>Toxicon</i> , 2022, 208, 62-77.	0.8	28
43	A Review of Recent Studies on the Antioxidant and Anti-Infectious Properties of Senna Plants. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-38.	1.9	28
44	Plant-Based Antioxidant Extracts and Compounds in the Management of Oral Cancer. <i>Antioxidants</i> , 2021, 10, 1358.	2.2	26
45	<i>Aspergillus oryzae</i> Fermented Rice Bran: A Byproduct with Enhanced Bioactive Compounds and Antioxidant Potential. <i>Foods</i> , 2021, 10, 70.	1.9	26
46	Betelvine (<i>Piper betle</i> L.): A comprehensive insight into its ethnopharmacology, phytochemistry, and pharmacological, biomedical and therapeutic attributes. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 3083-3119.	1.6	26
47	Wonder or evil?: Multifaceted health hazards and health benefits of <i>Cannabis sativa</i> and its phytochemicals. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 7290-7313.	1.8	24
48	Nutritional composition patterns and application of multivariate analysis to evaluate indigenous		

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55	Documentation of Commonly Used Ethnoveterinary Medicines from Wild Plants of the High Mountains in Shimla District, Himachal Pradesh, India. <i>Horticulturae</i> , 2021, 7, 351.	1.2	22
56	Optical and Structural Study of Polyaniline/Polystyrene Composite Films. <i>Macromolecular Symposia</i> , 2015, 357, 229-234.	0.4	21
57	Synthesis of highly fluorescent and water soluble graphene quantum dots for detection of heavy metal ions in aqueous media. <i>Environmental Science and Pollution Research</i> , 2021, 28, 46336-46342.	2.7	21
58	Mango seed starch: A sustainable and eco-friendly alternative to increasing industrial requirements. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1807-1817.	3.6	21
59	LiBH ₄ as solid electrolyte for Li-ion batteries with Bi ₂ Te ₃ nanostructured anode. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 21709-21714.	3.8	20
60	Highly efficient & stable Bi & Sb anodes using lithium borohydride as solid electrolyte in Li-ion batteries. <i>RSC Advances</i> , 2019, 9, 13077-13081.	1.7	20
61	Evaluation of Cellulolytic Enzyme-Assisted Microwave Extraction of Punica granatum Peel Phenolics and Antioxidant Activity. <i>Plant Foods for Human Nutrition</i> , 2020, 75, 614-620.	1.4	20
62	Evaluation of detoxified cottonseed protein isolate for application as food supplement. <i>Toxin Reviews</i> , 2022, 41, 412-419.	1.5	20
63	Delineating the inherent functional descriptors and biofunctionalities of pectic polysaccharides. <i>Carbohydrate Polymers</i> , 2021, 269, 118319.	5.1	20
64	Application of high energy electromagnetic radiations in elimination of anti-nutritional factors from oilseeds. <i>LWT - Food Science and Technology</i> , 2021, 151, 112085.	2.5	20
65	Recent developments in cold plasma-based enzyme activity (browning, cell wall degradation, and) Tj ETQq1 1 0.784314 rgBT /Overl 1958-1978.	5.9	20
66	Biosynthesis of Secondary Metabolites Based on the Regulation of MicroRNAs. <i>BioMed Research International</i> , 2022, 2022, 1-20.	0.9	20
67	Guava (<i>Psidium guajava</i> L.) seed: A low-volume, high-value byproduct for human health and the food industry. <i>Food Chemistry</i> , 2022, 386, 132694.	4.2	20
68	<i>Salvadora persica</i> : Nature's Gift for Periodontal Health. <i>Antioxidants</i> , 2021, 10, 712.	2.2	19
69	Mitigation of abiotic stresses in <i>Lycopersicon esculentum</i> by endophytic bacteria. <i>Environmental Sustainability</i> , 2018, 1, 71-80.	1.4	18
70	Deoxynivalenol: An Overview on Occurrence, Chemistry, Biosynthesis, Health Effects and Its Detection, Management, and Control Strategies in Food and Feed. <i>Microbiology Research</i> , 2022, 13, 292-314.	0.8	18
71	Therapeutic Uses of Wild Plants by Rural Inhabitants of Maraog Region in District Shimla, Himachal Pradesh, India. <i>Horticulturae</i> , 2021, 7, 343.	1.2	17
72	Nanostructured Bi ₂ Te ₃ as anode material as well as a destabilizing agent for LiBH ₄ . <i>International Journal of Hydrogen Energy</i> , 2020, 45, 16992-16999.	3.8	16

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73	Jackfruit seed slimy sheath, a novel source of pectin: Studies on antioxidant activity, functional group, and structural morphology. <i>Carbohydrate Polymer Technologies and Applications</i> , 2021, 2, 100054.	1.6	16
74	Black Carrot (<i>Daucus carota</i> ssp.) and Black Soybean (<i>Glycine max</i> (L.) Merr.) Anthocyanin Extract: A Remedy to Enhance Stability and Functionality of Fruit Juices by Copigmentation. <i>Waste and Biomass Valorization</i> , 2020, 11, 99-108.	1.8	15
75	Neurobiological Promises of the Bitter Diterpene Lactone Andrographolide. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-9.	1.9	15
76	Sodium chloride-induced spatial and temporal manifestation in membrane stability index and protein profiles of contrasting wheat (<i>Triticum aestivum</i> L.) genotypes under salt stress. <i>Indian Journal of Plant Physiology</i> , 2015, 20, 271-275.	0.8	14
77	Cottonseed Kernel Powder as a Natural Health Supplement: An Approach to Reduce the Gossypol Content and Maximize the Nutritional Benefits. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3901.	1.3	14
78	Cottonseed feedstock as a source of plant-based protein and bioactive peptides: Evidence based on biofunctionalities and industrial applications. <i>Food Hydrocolloids</i> , 2022, 131, 107776.	5.6	13
79	Therapeutic uses of wild plant species used by rural inhabitants of Kangra in the western Himalayan region. <i>South African Journal of Botany</i> , 2022, 148, 415-436.	1.2	13
80	Paruthi Paal, a nutrient-rich healthy drink from cottonseed: an Indian delicacy. <i>Journal of Ethnic Foods</i> , 2019, 6, .	0.8	12
81	Fermented barley bran: An improvement in phenolic compounds and antioxidant properties. <i>Journal of Food Processing and Preservation</i> , 2022, 46, e15543.	0.9	12
82	Neoechinulins: Molecular, cellular, and functional attributes as promising therapeutics against cancer and other human diseases. <i>Biomedicine and Pharmacotherapy</i> , 2022, 145, 112378.	2.5	12
83	<i>Carica papaya</i> L. Leaves: Deciphering Its Antioxidant Bioactives, Biological Activities, Innovative Products, and Safety Aspects. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-20.	1.9	12
84	Metagenomic analysis of the fecal microbiome of an adult elephant reveals the diversity of CAZymes related to lignocellulosic biomass degradation. <i>Symbiosis</i> , 2020, 81, 209-222.	1.2	11
85	<i>Calligonum polygonoides</i> L. as Novel Source of Bioactive Compounds in Hot Arid Regions: Evaluation of Phytochemical Composition and Antioxidant Activity. <i>Plants</i> , 2021, 10, 1156.	1.6	10
86	Ethnomedicinal Use, Phytochemistry, and Pharmacology of <i>Xylocarpus granatum</i> J. Koenig. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-16.	0.5	10
87	Unraveling the promise and limitations of CRISPR/Cas system in natural product research: Approaches and challenges. <i>Biotechnology Journal</i> , 2022, 17, e2100507.	1.8	10
88	Electrochemical reaction mechanism for Bi ₂ Te ₃ -based anode material in highly durable all solid-state lithium-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 16429-16436.	1.1	9
89	Lithiation mechanism of antimony chalcogenides (Sb_2X_3 ; X = S, Tl) <i>ETQq1</i> 1 0.784314 rgB Research, 2021, 45, 11135-11145.	2.2	9
90	Optimization of the use of cellulolytic enzyme preparation for the extraction of health promoting anthocyanins from black carrot using response surface methodology. <i>LWT - Food Science and Technology</i> , 2022, 163, 113528.	2.5	9

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91	Apitherapy and Periodontal Disease: Insights into In Vitro, In Vivo, and Clinical Studies. Antioxidants, 2022, 11, 823.	2.2	8
92	Structural and Morphological Study of PSâ€ZnO Nanocomposite Membrane. Macromolecular Symposia, 2015, 357, 218-222.	0.4	7
93	Functionalized and engineered nanochannels for gas separation. Pure and Applied Chemistry, 2018, 90, 1063-1071.	0.9	7
94	Destabilization of LiBH ₄ by the infusion of Bi ₂ X ₃ (X = S, Se, Te): an <i>in situ</i> TEM investigation. Journal of Materials Chemistry A, 2020, 8, 25706-25715.	5.2	7
95	Litchi (<i>Litchi chinensis</i>) seed starch: Structure, properties, and applications - A review. Carbohydrate Polymer Technologies and Applications, 2021, 2, 100080.	1.6	7
96	Assessment of Bioactive Compounds, Physicochemical Properties, and Microbial Attributes of Hot Airâ€Dried Mango Seed Kernel Powder: an Approach for Quality and Safety Evaluation of Hot Airâ€Dried Mango Seed Kernel Powder. Food Analytical Methods, 2022, 15, 2675-2690.	1.3	7
97	All-Solid-State Li-Ion Batteries Using a Combination of Sb ₂ S ₃ /Li ₂ S-P ₂ S ₅ /Acetylene Black as the Electrode Composite and LiBH ₄ as the Electrolyte. ACS Applied Energy Materials, 2021, 4, 6269-6276.	2.5	5
98	UV-irradiation assisted functionalization and binding of Pd nanoparticles in polycarbonate membranes for hydrogen separation. Environmental Science and Pollution Research, 2021, 28, 46404-46413.	2.7	4
99	Black soybean (<i>Glycine max</i> (L.) Merr.): paving the way toward new nutraceutical. Critical Reviews in Food Science and Nutrition, 2023, 63, 6208-6234.	5.4	4
100	Structural and Morphological Study of PSâ€TiO ₂ Nanocomposite Membranes. Macromolecular Symposia, 2015, 357, 200-205.	0.4	3
101	Investigation of dimensionality-dependent thermal stability of Bi_2Te_3 . Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	3
102	Structural and Morphological Modifications Induced by Fe Ion Implantation in Sb ₂ Te ₃ Thin Films. Macromolecular Symposia, 2021, 399, 2100079.	0.4	3
103	Bioavailability and Nutritional Analysis of Flavonoids. , 2020, , 135-156.		3
104	Bismuth Oxide Extended-Gate Field-Effect Transistor as pH Sensor. Journal of Electronic Materials, 2022, 51, 2673-2681.	1.0	3
105	A survey on ethnoveterinary medicines used by the tribal migratory shepherds of Northwestern Himalaya. Journal of Ethnopharmacology, 2022, 296, 115467.	2.0	3
106	Cellulase enhances anthocyanin and phenolic content in black carrot juice. Indian Journal of Horticulture, 2019, 76, 749.	0.1	2
107	A review on instant controlled pressure drop technology â€ a strategic tool for extraction of bioactive compounds. International Journal of Food Science and Technology, 2022, 57, .	1.3	2
108	Harnessing phytomicrobiome signals for phytopathogenic stress management. Journal of Biosciences, 2022, 47, 1.	0.5	2

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109	Chalcogenides as Anode Material for All-Solid-State Li-Ion Batteries. ACS Symposium Series, 0, , 57-86.	0.5	0