

Sandeep Singh

List of Publications by Year in descending order

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Version: 2024-02-01

260
papers

4,850
citations

101543

36
h-index

155660

55
g-index

268
all docs

268
docs citations

268
times ranked

6300
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosensors based on electrochemical lactate detection: A comprehensive review. <i>Biochemistry and Biophysics Reports</i> , 2016, 5, 35-54.	1.3	217
2	PEPstrMOD: structure prediction of peptides containing natural, non-natural and modified residues. <i>Biology Direct</i> , 2015, 10, 73.	4.6	164
3	SATPdb: a database of structurally annotated therapeutic peptides. <i>Nucleic Acids Research</i> , 2016, 44, D1119-D1126.	14.5	131
4	Metabolic Adaptations in Cancer Stem Cells. <i>Frontiers in Oncology</i> , 2020, 10, 1010.	2.8	100
5	Timing, quantification and tectonic modelling of Pliocene–Quaternary movements in the NW Himalaya: evidence from fission track dating. <i>Earth and Planetary Science Letters</i> , 2000, 179, 437-451.	4.4	99
6	Arbuscular Mycorrhiza <i>Rhizophagus irregularis</i> and Silicon Modulate Growth, Proline Biosynthesis and Yield in <i>Cajanus cajan</i> L. Millsp. (pigeonpea) Genotypes Under Cadmium and Zinc Stress. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 46-63.	5.1	87
7	Fruit waste (peel) as bio-reductant to synthesize silver nanoparticles with antimicrobial, antioxidant and cytotoxic activities. <i>Journal of Applied Biomedicine</i> , 2018, 16, 221-231.	1.7	86
8	Mechanical Strength Enhancement of 3D Printed Acrylonitrile Butadiene Styrene Polymer Components Using Neural Network Optimization Algorithm. <i>Polymers</i> , 2020, 12, 2250.	4.5	79
9	Chitosan centered bionanocomposites for medical specialty and curative applications: A review. <i>International Journal of Pharmaceutics</i> , 2017, 529, 200-217.	5.2	77
10	HDAC8 Inhibition Specifically Targets Inv(16) Acute Myeloid Leukemic Stem Cells by Restoring p53 Acetylation. <i>Cell Stem Cell</i> , 2015, 17, 597-610.	11.1	75
11	miR-30c and miR-181a synergistically modulate p53–p21 pathway in diabetes induced cardiac hypertrophy. <i>Molecular and Cellular Biochemistry</i> , 2016, 417, 191-203.	3.1	74
12	Liquefaction and fluidization of lacustrine deposits from Lahaul-Spiti and Ladakh Himalaya: Geological evidences of paleoseismicity along active fault zone. <i>Sedimentary Geology</i> , 2007, 196, 47-57.	2.1	73
13	An overview of the formation of fibre waviness and its effect on the mechanical performance of fibre reinforced polymer composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 137, 106013.	7.6	72
14	Takotsubo Syndrome in Patients with COVID-19: a Systematic Review of Published Cases. <i>SN Comprehensive Clinical Medicine</i> , 2020, 2, 2102-2108.	0.6	70
15	Taguchi S/N and TOPSIS Based Optimization of Fused Deposition Modelling and Vapor Finishing Process for Manufacturing of ABS Plastic Parts. <i>Materials</i> , 2020, 13, 5176.	2.9	69
16	Compromising situation of India's bio-medical waste incineration units during pandemic outbreak of COVID-19: Associated environmental-health impacts and mitigation measures. <i>Environmental Pollution</i> , 2021, 276, 116621.	7.5	66
17	Detrital-zircon fission-track ages from the Lower Cenozoic sediments, NW Himalayan foreland basin: Clues for exhumation and denudation of the Himalaya during the India-Asia collision. <i>Bulletin of the Geological Society of America</i> , 2009, 121, 519-535.	3.3	65
18	Spatio-temporal assessment of groundwater depletion in Punjab, India. <i>Groundwater for Sustainable Development</i> , 2021, 12, 100498.	4.6	61

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19	SHRIMP U-Pb ages and depth of emplacement of Ladakh Batholith, Eastern Ladakh, India. <i>Journal of Asian Earth Sciences</i> , 2007, 30, 490-503.	2.3	60
20	SHRIMP U-Pb in zircon geochronology of the Chor granitoid: evidence for Neoproterozoic magmatism in the Lesser Himalayan granite belt of NW India. <i>Precambrian Research</i> , 2002, 118, 285-292.	2.7	59
21	Synthesis and biological evaluation of pyrimidine bridged combretastatin derivatives as potential anticancer agents and mechanistic studies. <i>Bioorganic Chemistry</i> , 2018, 78, 130-140.	4.1	58
22	Tectonics of the southern Asian Plate margin along the Karakoram Shear Zone: Constraints from field observations and U-Pb SHRIMP ages. <i>Tectonophysics</i> , 2008, 451, 186-205.	2.2	56
23	Promising Targets in Anti-cancer Drug Development: Recent Updates. <i>Current Medicinal Chemistry</i> , 2018, 24, 4729-4752.	2.4	56
24	U-Pb zircon ages and Sm-Nd isotopic characteristics of the Lesser and Great Himalayan sequences, Uttarakhand Himalaya, and their regional tectonic implications. <i>Gondwana Research</i> , 2019, 75, 282-297.	6.0	54
25	Optimization of FFF Process Parameters by Naked Mole-Rat Algorithms with Enhanced Exploration and Exploitation Capabilities. <i>Polymers</i> , 2021, 13, 1702.	4.5	52
26	Health care in rural India: A lack between need and feed. <i>South Asian Journal of Cancer</i> , 2014, 03, 143-144.	0.6	51
27	Tumor suppressor protein SMAR1 modulates the roughness of cell surface: combined AFM and SEM study. <i>BMC Cancer</i> , 2009, 9, 350.	2.6	50
28	Evaluation of the antioxidant, antibacterial and anticancer (lung cancer cell line A549) activity of Punica granatum mediated silver nanoparticles. <i>Toxicology Research</i> , 2018, 7, 923-930.	2.1	47
29	Strength properties and durability of clay soil treated with mixture of nano silica and Polypropylene fiber. <i>Materials Today: Proceedings</i> , 2020, 26, 3449-3457.	1.8	47
30	Synthesis and xanthine oxidase inhibitory activity of 5,6-dihydropyrazolo/pyrazolo[1,5-c]quinazoline derivatives. <i>Bioorganic Chemistry</i> , 2014, 57, 57-64.	4.1	45
31	MiR-223-3p and miR-122-5p as circulating biomarkers for plaque instability. <i>Open Heart</i> , 2020, 7, e001223.	2.3	45
32	Growth factors mediated cell signalling in prostate cancer progression: Implications in discovery of anti-prostate cancer agents. <i>Chemico-Biological Interactions</i> , 2015, 240, 120-133.	4.0	44
33	Extensional tectonics in the Himalayan orogen, Zaskar, NW India. <i>Geological Society Special Publication</i> , 1993, 74, 445-459.	1.3	43
34	Oxidative Stress and Inflammation in Diabetic Complications. <i>International Journal of Endocrinology</i> , 2014, 2014, 1-2.	1.5	43
35	Synthesis of imine-pyrazolopyrimidinones and their mechanistic interventions on anticancer activity. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 5782-5793.	3.0	42
36	Genetic landscape of gallbladder cancer: Global overview. <i>Mutation Research - Reviews in Mutation Research</i> , 2018, 778, 61-71.	5.5	41

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37	Breast cancer screening existence in India: A nonexistent reality. Indian Journal of Medical and Paediatric Oncology, 2015, 36, 207-209.	0.2	38
38	Imine/amide-imidazole conjugates derived from 5-amino-4-cyano- N 1-substituted benzyl imidazole: Microwave-assisted synthesis and anticancer activity via selective topoisomerase-II α inhibition. Bioorganic and Medicinal Chemistry, 2015, 23, 5654-5661.	3.0	37
39	Near-field and far-field simulation of accelerograms of Sikkim earthquake of September 18, 2011 using modified semi-empirical approach. Natural Hazards, 2012, 64, 1029-1054.	3.4	36
40	Late Caledonian extension in the scandinavian Caledonides-the R�rgr�gen Detachment revisited. Tectonophysics, 1994, 231, 139-155.	2.2	35
41	A cytoskeleton regulator AVIL drives tumorigenesis in glioblastoma. Nature Communications, 2020, 11, 3457.	12.8	35
42	Assessing the Applicability of Photocatalytic-Concrete Blocks in Reducing the Concentration of Ambient NO ₂ of Chandigarh, India, Using Box-Behnken Response Surface Design Technique: A Holistic Sustainable Development Approach. Journal of Chemistry, 2021, 2021, 1-12.	1.9	35
43	Upper crustal stress and seismotectonics of the Garhwal Himalaya using small-to-moderate earthquakes: Implications to the local structures and free fluids. Journal of Asian Earth Sciences, 2017, 135, 198-211.	2.3	34
44	Protracted zircon growth in migmatites and In situ melt of Higher Himalayan Crystallines: U-Pb ages from Bhagirathi valley, NW Himalaya, India. Geoscience Frontiers, 2019, 10, 793-809.	8.4	34
45	Eradicating Cancer Stem Cells: Concepts, Issues, and Challenges. Current Treatment Options in Oncology, 2018, 19, 20.	3.0	33
46	Investigation on the hydrodynamics of Ganga Alluvial Plain using environmental isotopes: a case study of the Gomati River Basin, northern India. Hydrogeology Journal, 2013, 21, 687-700.	2.1	31
47	The Landscape and Implications of Chimeric RNAs in Cervical Cancer. EBioMedicine, 2018, 37, 158-167.	6.1	30
48	Multi-Objective Optimization of WEDM of Aluminum Hybrid Composites Using AHP and Genetic Algorithm. Arabian Journal for Science and Engineering, 2022, 47, 8031-8043.	3.0	30
49	A Systematic Review on the Performance Characteristics of Sustainable, Unfired Admixed Soil Blocks for Agricultural and Industrial Waste Management. Advances in Materials Science and Engineering, 2021, 2021, 1-19.	1.8	30
50	Corrosion behavior and characterization of HA/Fe ₃ O ₄ /CS composite coatings on AZ91 Mg alloy by electrophoretic deposition. Materials Chemistry and Physics, 2019, 237, 121884.	4.0	29
51	Mycorrhizal inoculations and silicon fortifications improve rhizobial symbiosis, antioxidant defense, trehalose turnover in pigeon pea genotypes under cadmium and zinc stress. Plant Growth Regulation, 2018, 86, 105-119.	3.4	28
52	Topoisomerase II contributes to DNA secondary structure-mediated double-stranded breaks. Nucleic Acids Research, 2020, 48, 6654-6671.	14.5	28
53	Arsenic mobility in fluvial environment of the Ganga Plain, northern India. Environmental Earth Sciences, 2010, 59, 1703-1715.	2.7	27
54	Dual inhibitors of epidermal growth factor receptor and topoisomerase II α derived from a quinoline scaffold. RSC Advances, 2016, 6, 77717-77734.	3.6	27

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55	Model-based fatigue crack identification in rotors integrated with active magnetic bearings. JVC/Journal of Vibration and Control, 2017, 23, 980-1000.	2.6	27
56	Does obesity affect the outcomes in takotsubo cardiomyopathy? Analysis of the Nationwide Inpatient Sample database, 2010-2014. Clinical Cardiology, 2018, 41, 1028-1034.	1.8	27
57	Electrophoretic deposition of hydroxyapatite-iron oxide-chitosan composite coatings on Ti-13Nb-13Zr alloy for biomedical applications. Thin Solid Films, 2020, 697, 137801.	1.8	27
58	Nuclear Matrix protein SMAR1 represses HIV-1 LTR mediated transcription through chromatin remodeling. Virology, 2010, 400, 76-85.	2.4	26
59	Synthesis and characterization of iron oxide-hydroxyapatite-chitosan composite coating and its biological assessment for biomedical applications. Progress in Organic Coatings, 2021, 150, 106011.	3.9	26
60	CYP/PON genetic variations as determinant of organophosphate pesticides toxicity. Journal of Genetics, 2017, 96, 187-201.	0.7	25
61	SHRIMP U-Pb $^{206}\text{Pb}/^{238}\text{U}$ and $^{207}\text{Pb}/^{235}\text{U}$ 1860 Ma anorogenic magmatic signatures from the NW Himalaya: implications for Palaeoproterozoic assembly of the Columbia Supercontinent. Geological Society Special Publication, 2009, 323, 283-300.	1.3	24
62	Model-Based Switching-Crack Identification in a Jeffcott Rotor With an Offset Disk Integrated With an Active Magnetic Bearing. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2016, 138, .	1.6	24
63	Pyrimidine containing epidermal growth factor receptor kinase inhibitors: Synthesis and biological evaluation. Chemical Biology and Drug Design, 2017, 90, 995-1006.	3.2	24
64	The landscape of chimeric RNAs in bladder urothelial carcinoma. International Journal of Biochemistry and Cell Biology, 2019, 110, 50-58.	2.8	24
65	Synthesis and biological evaluation of new 2,5-dimethylthiophene/furan based N-acetyl pyrazolines as selective topoisomerase II inhibitors. RSC Advances, 2016, 6, 14880-14892.	3.6	23
66	Trends and Outcomes in Sepsis Hospitalizations With and Without Atrial Fibrillation: A Nationwide Inpatient Analysis. Critical Care Medicine, 2019, 47, e630-e638.	0.9	23
67	E-pharmacophore guided discovery of pyrazolo[1,5-c]quinazolines as dual inhibitors of topoisomerase-I and histone deacetylase. Bioorganic Chemistry, 2020, 94, 103409.	4.1	23
68	Role of miRNAs in the pathogenesis of T2DM, insulin secretion, insulin resistance, and β cell dysfunction: the story so far. Journal of Physiology and Biochemistry, 2020, 76, 485-502.	3.0	23
69	Design, microwave-mediated synthesis and biological evaluation of novel 4-aryl(alkyl)amino-3-nitroquinoline and 2,4-diaryl(dialkyl)amino-3-nitroquinolines as anticancer agents. Bioorganic Chemistry, 2015, 58, 1-10.	4.1	22
70	Extra-cardiac comorbidities or complications in adults with congenital heart disease: a nationwide inpatient experience in the United States. Cardiovascular Diagnosis and Therapy, 2018, 8, 814-819.	1.7	22
71	Editorial: Novel Biomarkers for Type 2 Diabetes. Frontiers in Endocrinology, 2019, 10, 649.	3.5	22
72	The burden and impact of arrhythmia in chronic obstructive pulmonary disease: Insights from the National Inpatient Sample. International Journal of Cardiology, 2019, 281, 49-55.	1.7	22

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73	Frequency of takotsubo cardiomyopathy in epilepsy-related hospitalizations among adults and its impact on in-hospital outcomes: A national standpoint. <i>International Journal of Cardiology</i> , 2020, 299, 67-70.	1.7	22
74	Laboratory diagnosis of swine flu: a review. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2013, 41, 189-195.	2.8	21
75	Health Risk Assessment of Occupationally Pesticide-Exposed Population of Cancer Prone Area of Punjab. <i>Toxicological Sciences</i> , 2018, 165, 157-169.	3.1	21
76	Pausing sites of RNA polymerase II on actively transcribed genes are enriched in DNA double-stranded breaks. <i>Journal of Biological Chemistry</i> , 2020, 295, 3990-4000.	3.4	21
77	Model based identification of crack and bearing dynamic parameters in flexible rotor systems supported with an auxiliary active magnetic bearing. <i>Mechanism and Machine Theory</i> , 2018, 122, 292-307.	4.5	20
78	Alarming Increasing Trends in Hospitalizations and Mortality With Heyde's Syndrome: A Nationwide Inpatient Perspective (2007 to 2014). <i>American Journal of Cardiology</i> , 2019, 123, 1149-1155.	1.6	20
79	Modeling for the use of waste materials (Bottom ash and fly ash) in soil stabilization. <i>Materials Today: Proceedings</i> , 2020, 33, 1610-1614.	1.8	20
80	Racial and sex disparities in resource utilization and outcomes of multi-vessel percutaneous coronary interventions (a 5-year nationwide evaluation in the United States). <i>Cardiovascular Diagnosis and Therapy</i> , 2019, 9, 18-29.	1.7	20
81	Role of miRNAs in diabetic neuropathy: mechanisms and possible interventions. <i>Molecular Neurobiology</i> , 2022, 59, 1836-1849.	4.0	20
82	1- <i>N</i> -Acetyl-3,5-diaryl-4,5-dihydro-1 <i>H</i> -pyrazoles: Exhibiting Anticancer Activity through Intracellular ROS Scavenging and the Mitochondria-Dependent Death Pathway. <i>Archiv Der Pharmazie</i> , 2014, 347, 717-727.	4.1	19
83	Marine macroalga <i>Caulerpa</i> : role of its metabolites in modulating cancer signaling. <i>Molecular Biology Reports</i> , 2019, 46, 3545-3555.	2.3	19
84	Characterization, electrochemical behavior and in vitro hemocompatibility of hydroxyapatite-bioglass-iron oxide-chitosan composite coating by electrophoretic deposition. <i>Surface and Coatings Technology</i> , 2021, 405, 126564.	4.8	19
85	Optimization of FDM Printing Process Parameters on Surface Finish, Thickness, and Outer Dimension with ABS Polymer Specimens Using Taguchi Orthogonal Array and Genetic Algorithms. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-13.	1.1	19
86	Thirty-Day Readmissions After Upper and Lower Gastrointestinal Hemorrhage. <i>Journal of Clinical Gastroenterology</i> , 2019, 53, 582-590.	2.2	18
87	Design, synthesis, biological evaluation of 3,5-diaryl-4,5-dihydro-1 <i>H</i> -pyrazole carbaldehydes as non-purine xanthine oxidase inhibitors: Tracing the anticancer mechanism via xanthine oxidase inhibition. <i>Bioorganic Chemistry</i> , 2021, 107, 104620.	4.1	18
88	Affect of Adversity Quotient on the Occupational Stress of IT Managers in India. <i>Procedia Computer Science</i> , 2017, 122, 86-93.	2.0	17
89	Anticancer potential of some imidazole and fused imidazole derivatives: exploring the mechanism <i>via</i> epidermal growth factor receptor (EGFR) inhibition. <i>RSC Medicinal Chemistry</i> , 2020, 11, 923-939.	3.9	17
90	Dynamic instability of trapezoidal composite plates under non-uniform compression using moving kriging based meshfree method. <i>Thin-Walled Structures</i> , 2021, 164, 107766.	5.3	16

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91	Metamorphic evolution of the northwest Himalaya, India: Pressure-temperature data, inverted metamorphism, and exhumation in the Kashmir, Himachal, and Garhwal Himalayas. , 1999, , .		15
92	Large deformation static and dynamic response of carbon nanotubes by mixed atomistic and continuum models. International Journal of Mechanical Sciences, 2018, 135, 565-581.	6.7	15
93	miRNA signatures in diabetic retinopathy and nephropathy: delineating underlying mechanisms. Journal of Physiology and Biochemistry, 2022, 78, 19-37.	3.0	15
94	The prevalence of psychiatric disorders in sudden cardiac arrest survivors: A 5-year nationwide inpatient analysis. Resuscitation, 2019, 136, 131-135.	3.0	14
95	Pd-Catalyzed Four-Component Sequential Reaction Delivers a Modular Fluorophore Platform for Cell Imaging. Journal of Organic Chemistry, 2019, 84, 3817-3825.	3.2	14
96	<i>RUNX3</i> levels in human hematopoietic progenitors are regulated by aging and dictate erythroid-myeloid balance. Haematologica, 2020, 105, 905-913.	3.5	14
97	Inhibition of 3D colon cancer stem cell spheroids by cytotoxic Rull-p-cymene complexes of mesalazine derivatives. Chemical Communications, 2020, 56, 5421-5424.	4.1	14
98	Analysis of Traffic Flow Characteristics Based on Area-Occupancy Concept on Urban Arterial Roads Under Heterogeneous Traffic Scenario”A Case Study of Tiruchirappalli City. Lecture Notes in Civil Engineering, 2021, , 69-84.	0.4	14
99	Factors Influencing uptake of Cervical Cancer Screening among Women in India: A Hospital based Pilot Study. , 0, , .		14
100	Microstructures of mylonites along the Karakoram Shear Zone, Tangste Valley, Pangong Mountains, Karakoram. Journal of the Geological Society of India, 2010, 75, 679-694.	1.1	13
101	Meshfree analysis of non-rectangular sandwich plates based on refined C0 higher order shear deformation theories. Engineering Analysis With Boundary Elements, 2020, 120, 180-194.	3.7	13
102	COVID-19 in HIV: a Review of Published Case Reports. SN Comprehensive Clinical Medicine, 2020, 2, 2647-2657.	0.6	13
103	Landscape characterization of chimeric RNAs in colorectal cancer. Cancer Letters, 2020, 489, 56-65.	7.2	13
104	Analysis of Two-Wheeler Characteristics at Signalised Intersection under Mixed Traffic Conditions: A Case Study of Tiruchirappalli City. , 2020, , .		13
105	Combinatorial Effect of DCA and Let-7a on Triple-Negative MDA-MB-231 Cells: A Metabolic Approach of Treatment. Integrative Cancer Therapies, 2020, 19, 153473542091143.	2.0	13
106	Design and Synthesis of Non-Covalent Imidazo[1,2-a]quinoxaline-Based Inhibitors of EGFR and Their Anti-Cancer Assessment. Molecules, 2021, 26, 1490.	3.8	13
107	Evaluation of Lane-Based Traffic Characteristics of Highways Under Mixed Traffic Conditions by Different Methods. Journal of the Institution of Engineers (India): Series A, 2021, 102, 719-735.	1.2	13
108	Empirical analysis of impact of multi-class commercial vehicles on multi-lane highway traffic characteristics under mixed traffic conditions. International Journal of Transportation Science and Technology, 2022, 11, 545-562.	3.6	13

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109	Platoon-Based Impact Assessment of Heavy-Duty Vehicles on Traffic Stream Characteristics of Highway Lanes Under Mixed Traffic Environment. <i>International Journal of Intelligent Transportation Systems Research</i> , 2022, 20, 29-45.	1.1	13
110	Arbuscular Mycorrhizal Fungi and Heavy Metal Tolerance in Plants: An Insight into Physiological and Molecular Mechanisms. , 2017, , 75-97.		13
111	COVID-19 and diabetes mellitus: A need for prudence in elderly patients from a pooled analysis. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2020, 14, 683-685.	3.6	13
112	Let-7a induces metabolic reprogramming in breast cancer cells via targeting mitochondrial encoded ND4. <i>Cancer Cell International</i> , 2021, 21, 629.	4.1	13
113	Tumor suppressor SMAR1 downregulates Cytokeratin 8 expression by displacing p53 from its cognate site. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 862-871.	2.8	12
114	SMAR1 regulates free radical stress through modulation of AKR1a4 enzyme activity. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 1105-1114.	2.8	12
115	Regulation of GAD65 expression by SMAR1 and p53 upon Streptozotocin treatment. <i>BMC Molecular Biology</i> , 2012, 13, 28.	3.0	12
116	Association Between Hepatitis B Infection and Pancreatic Cancer. <i>Pancreas</i> , 2018, 47, 849-855.	1.1	12
117	Exploration of Pd-catalysed four-component tandem reaction for one-pot assembly of pyrazolo[1,5-c]quinazolines as potential EGFR inhibitors. <i>Bioorganic Chemistry</i> , 2019, 93, 103314.	4.1	12
118	Effect of Gradation and Morphological Characteristics of Aggregates on Mechanical Properties of Bituminous Concrete and Dense Bituminous Macadam. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2022, 46, 293-307.	1.9	12
119	Synthetic Versus Enzymatic Pictet-Spengler Reaction: An Overview. <i>Current Organic Synthesis</i> , 2018, 15, 924-939.	1.3	12
120	Heat shock protein 70 binds to a novel sequence in 5' UTR of tumor suppressor SMAR1 and regulates its mRNA stability upon Prostaglandin A2 treatment. <i>FEBS Letters</i> , 2010, 584, 1187-1192.	2.8	11
121	Monitoring analgesic drug using sensing method based on nanocomposite. <i>RSC Advances</i> , 2015, 5, 2396-2404.	3.6	11
122	Effect of initial strain and material nonlinearity on the nonlinear static and dynamic response of graphene sheets. <i>Journal of Sound and Vibration</i> , 2018, 423, 373-400.	3.9	11
123	Earthquakes in the Garhwal Himalaya of the Central Seismic Gap: A Study of Historical and Present Seismicity and Their Implications to the Seismotectonics. <i>Pure and Applied Geophysics</i> , 2019, 176, 4661-4685.	1.9	11
124	Trace element mobility, regional significance and global implication of Gomati river basin, northern India. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	11
125	Synthesis of 1,4-dihydropyrazolo[4,3-b]indoles via intramolecular C(sp ²)-N bond formation involving nitrene insertion, DFT study and their anticancer assessment. <i>Bioorganic Chemistry</i> , 2021, 114, 105114.	4.1	11
126	A Comparative Study on the Sustainability of Public and Private Road Transportation Systems in an Urban Area: Current and Future Scenarios. <i>RILEM Bookseries</i> , 2021, , 173-189.	0.4	11

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127	Production of syngas from agricultural residue as a renewable fuel and its sustainable use in dual-fuel compression ignition engine to investigate performance, emission, and noise characteristics. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, 42, 41-55.	2.3	10
128	Effect of Heavy Transport Vehicles on Speed-Flow Characteristics of Mixed Traffic on Multi Lane Divided Intercity Highways. , 2020, , .		10
129	Infra-Red Sensor-Based Technology for Collecting Speed and Headway Data on Highways Under Mixed Traffic Conditions. , 2020, , .		10
130	Impact of COVID-19 on acute coronary syndrome-related hospitalizations: A pooled analysis. IJC Heart and Vasculature, 2021, 32, 100718.	1.1	10
131	RSM-Based Optimization of the Parameters Affecting TiO ₂ -Mediated UV Photocatalysis of Vehicular Emissions in Enclosed Parking Garages. International Journal of Photoenergy, 2021, 2021, 1-9.	2.5	10
132	Himalayan Magmatism through space and time. Episodes, 2020, 43, 358-368.	1.2	10
133	Small Regulatory Molecules Acting Big in Cancer: Potential Role of Mito-miRs in Cancer. Current Molecular Medicine, 2019, 19, 621-631.	1.3	10
134	Behavior of RC Beamâ€œColumn Joints Strengthened with Modified Reinforcement Techniques. Sustainability, 2022, 14, 1918.	3.2	10
135	Use of System Dynamics Forecasting Model in Transportation System to Reduce Vehicular Emissions-A Mathematical Approach. Journal of Physics: Conference Series, 2020, 1531, 012118.	0.4	9
136	Multivariate Analysis of Freeways Speed and Time Headway Under Mixed Traffic Streams. , 2020, , .		9
137	Two novel cell culture models of buccal mucosal oral cancer from patients with no risk-habits of tobacco smoking or chewing. Oral Oncology, 2021, 113, 105131.	1.5	9
138	Tele-cytology: An innovative approach for cervical cancer screening in resource-poor settings. Journal of Cancer Research and Therapeutics, 2016, 12, 481.	0.9	9
139	Design, synthesis and anticancer activity of 2-arylimidazo[1,2-a]pyridinyl-3-amines. Bioorganic Chemistry, 2022, 118, 105464.	4.1	9
140	Dietary Patterns and Breast Cancer Risk: A Multi-Centre Case Control Study among North Indian Women. International Journal of Environmental Research and Public Health, 2018, 15, 1946.	2.6	8
141	â€œThe pharmacological profile of SGLT2 inhibitors: Focus on mechanistic aspects and pharmacogenomicsâ€ European Journal of Pharmacology, 2021, 904, 174169.	3.5	8
142	Prediction, Characterization, and In Silico Validation of Chimeric RNAs. Methods in Molecular Biology, 2020, 2079, 3-12.	0.9	8
143	Earlyâ€œMiddle Eocene Exhumation of the Trans-Himalayan Ladakh Batholith, and the Indiaâ€œAsia Convergence. Current Science, 2017, 113, 1090.	0.8	8
144	Estimation of the source parameters of the Nepal earthquake from strong motion data. Natural Hazards, 2016, 83, 867-883.	3.4	7

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145	Relationship of emotional intelligence with cultural intelligence and change readiness of Indian managers in the service sector. <i>Journal of Organizational Change Management</i> , 2021, 34, 1245-1256.	2.7	7
146	Assessment of Causes of Pothole Development on Chandigarh Roads. <i>Journal of the Institution of Engineers (India): Series A</i> , 2021, 102, 411-419.	1.2	7
147	Development Of Lysine Biosensor Based On Core Shell Magnetic Nanoparticle And Multiwalled Carbon Nanotube Composite. <i>Advanced Materials Letters</i> , 2015, 6, 407-413.	0.6	7
148	Wise Leadership in Kautilya's Philosophy. <i>Philosophy of Management</i> , 2016, 15, 35-49.	1.0	6
149	Kinematic vorticity analysis along the Karakoram Shear Zone, Pangong Mountains, Karakoram: Implications for the India-Asia tectonics. <i>Journal of the Geological Society of India</i> , 2016, 87, 249-260.	1.1	6
150	Caulerpa taxifolia inhibits cell proliferation and induces oxidative stress in breast cancer cells. <i>Biologia (Poland)</i> , 2019, 74, 187-193.	1.5	6
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