

Rahul Kumar

List of Publications by Year in descending order

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308
papers

9,836
citations

47006

47
h-index

53230

85
g-index

315
all docs

315
docs citations

315
times ranked

15381
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of COPD and smoking history on the severity of COVID-19: A systemic review and meta-analysis. <i>Journal of Medical Virology</i> , 2020, 92, 1915-1921.	5.0	564
2	Role of plant hormones and their interplay in development and ripening of fleshy fruits. <i>Journal of Experimental Botany</i> , 2013, 65, 4561-4575.	4.8	447
3	Lymphopenia is associated with severe coronavirus disease 2019 (COVID-19) infections: A systemic review and meta-analysis. <i>International Journal of Infectious Diseases</i> , 2020, 96, 131-135.	3.3	373
4	Comparison of MAFLD and NAFLD diagnostic criteria in real world. <i>Liver International</i> , 2020, 40, 2082-2089.	3.9	362
5	UV-Activated MoS ₂ Based Fast and Reversible NO ₂ Sensor at Room Temperature. <i>ACS Sensors</i> , 2017, 2, 1744-1752.	7.8	346
6	Hypoalbuminemia predicts the outcome of COVID-19 independent of age and comorbidity. <i>Journal of Medical Virology</i> , 2020, 92, 2152-2158.	5.0	241
7	Pathology of Pulmonary Hypertension. <i>Clinics in Chest Medicine</i> , 2013, 34, 639-650.	2.1	214
8	Matrix Remodeling Promotes Pulmonary Hypertension through Feedback Mechanoactivation of the YAP/TAZ-miR-130/301 Circuit. <i>Cell Reports</i> , 2015, 13, 1016-1032.	6.4	193
9	A review on synthesis, characterization, and applications of nano zero valent iron (nZVI) for environmental remediation. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 443-466.	12.8	193
10	Identification, phylogeny, and transcript profiling of ERF family genes during development and abiotic stress treatments in tomato. <i>Molecular Genetics and Genomics</i> , 2010, 284, 455-475.	2.1	189
11	Systems-level regulation of microRNA networks by miR-130/301 promotes pulmonary hypertension. <i>Journal of Clinical Investigation</i> , 2014, 124, 3514-3528.	8.2	182
12	Genome-wide analysis of auxin response factor (ARF) gene family from tomato and analysis of their role in flower and fruit development. <i>Molecular Genetics and Genomics</i> , 2011, 285, 245-260.	2.1	179
13	Photoactivated Mixed In-Plane and Edge-Enriched p-Type MoS ₂ Flake-Based NO ₂ Sensor Working at Room Temperature. <i>ACS Sensors</i> , 2018, 3, 998-1004.	7.8	149
14	Regulation of <i>Arabidopsis</i> brassinosteroid receptor BRI1 endocytosis and degradation by plant U-box PUB12/PUB13-mediated ubiquitination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1906-E1915.	7.1	134
15	Genetic and hypoxic alterations of the microRNA <i>ISCU</i> 1/2 axis promote iron-sulfur deficiency and pulmonary hypertension. <i>EMBO Molecular Medicine</i> , 2015, 7, 695-713.	6.9	120
16	Danger-associated peptide signaling in <i>Arabidopsis</i> requires clathrin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11028-11033.	7.1	114
17	Genome-wide investigation and expression analysis suggest diverse roles of auxin-responsive GH3 genes during development and response to different stimuli in tomato (<i>Solanum lycopersicum</i>). <i>Molecular Genetics and Genomics</i> , 2012, 287, 221-235.	2.1	112
18	COVID-19 in posttransplant patients—report of 2 cases. <i>American Journal of Transplantation</i> , 2020, 20, 1879-1881.	4.7	108

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19	Recurrent hotspot mutations in HRAS Q61 and PI3K-AKT pathway genes as drivers of breast adenomyoepitheliomas. <i>Nature Communications</i> , 2018, 9, 1816.	12.8	105
20	Fate of pharmaceuticals and personal care products in a wastewater treatment plant with parallel secondary wastewater treatment train. <i>Journal of Environmental Management</i> , 2019, 233, 649-659.	7.8	105
21	TGF- β 2 activation by bone marrow-derived thrombospondin-1 causes Schistosoma- and hypoxia-induced pulmonary hypertension. <i>Nature Communications</i> , 2017, 8, 15494.	12.8	102
22	Post covid 19 pulmonary fibrosis. Is it real threat?. <i>Indian Journal of Tuberculosis</i> , 2021, 68, 330-333.	0.7	96
23	Growth of MoS ₂ and MoO ₃ Hybrid Microflowers via Controlled Vapor Transport Process for Efficient Gas Sensing at Room Temperature. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800071.	3.7	93
24	High-throughput sequencing of SARS-CoV-2 in wastewater provides insights into circulating variants. <i>Water Research</i> , 2021, 205, 117710.	11.3	93
25	Loss-of-function mutations in ATP6AP1 and ATP6AP2 in granular cell tumors. <i>Nature Communications</i> , 2018, 9, 3533.	12.8	92
26	The Landscape of Somatic Genetic Alterations in Breast Cancers From ATM Germline Mutation Carriers. <i>Journal of the National Cancer Institute</i> , 2018, 110, 1030-1034.	6.3	90
27	High performance NO ₂ sensor using MoS ₂ nanowires network. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	87
28	Elevated APOBEC3B expression drives a kataegic-like mutation signature and replication stress-related therapeutic vulnerabilities in p53-defective cells. <i>British Journal of Cancer</i> , 2017, 117, 113-123.	6.4	84
29	E-Cadherin/ROS1 Inhibitor Synthetic Lethality in Breast Cancer. <i>Cancer Discovery</i> , 2018, 8, 498-515.	9.4	79
30	Highly selective and reversible NO ₂ gas sensor using vertically aligned MoS ₂ flake networks. <i>Nanotechnology</i> , 2018, 29, 464001.	2.6	79
31	Study of Mechanical Properties of Wood Dust Reinforced Epoxy Composite. , 2014, 6, 551-556.		77
32	<i>MYBL1</i> rearrangements and <i>MYB</i> amplification in breast adenoid cystic carcinomas lacking the <i>MYB</i> - <i>NFIB</i> fusion gene. <i>Journal of Pathology</i> , 2018, 244, 143-150.	4.5	74
33	A Snapshot of the Emerging Tomato Genome Sequence. <i>Plant Genome</i> , 2009, 2, .	2.8	73
34	The Causal Role of IL-4 and IL-13 in <i>Schistosoma mansoni</i> Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 998-1008.	5.6	71
35	Autoimmune hepatitis following COVID-19 vaccination: True causality or mere association?. <i>Journal of Hepatology</i> , 2021, 75, 1250-1252.	3.7	69
36	Synthesis and characterization of carbon based counter electrode for dye sensitized solar cells (DSSCs) using sugar free as a carbon material. <i>Solar Energy</i> , 2017, 144, 215-220.	6.1	68

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37	Advances in Omics Approaches for Abiotic Stress Tolerance in Tomato. <i>Biology</i> , 2019, 8, 90.	2.8	68
38	The Genomic Landscape of Mucinous Breast Cancer. <i>Journal of the National Cancer Institute</i> , 2019, 111, 737-741.	6.3	68
39	Development of paper-based flexible supercapacitor: Bismuth ferrite/graphene nanocomposite as an active electrode material. <i>Journal of Alloys and Compounds</i> , 2020, 813, 152145.	5.5	67
40	Analysis of mutational signatures in primary and metastatic endometrial cancer reveals distinct patterns of DNA repair defects and shifts during tumor progression. <i>Gynecologic Oncology</i> , 2019, 152, 11-19.	1.4	66
41	Advances in the classification of pediatric brain tumors through DNA methylation profiling: From research tool to frontline diagnostic. <i>Cancer</i> , 2018, 124, 4168-4180.	4.1	64
42	Serial assessment of measurable residual disease in medulloblastoma liquid biopsies. <i>Cancer Cell</i> , 2021, 39, 1519-1530.e4.	16.8	64
43	An Overview of Signaling Regulons During Cold Stress Tolerance in Plants. <i>Current Genomics</i> , 2017, 18, 498-511.	1.6	62
44	Genome-wide identification and expression analysis of Hsp70, Hsp90, and Hsp100 heat shock protein genes in barley under stress conditions and reproductive development. <i>Functional and Integrative Genomics</i> , 2019, 19, 1007-1022.	3.5	60
45	New transverse shear deformation theory for bending analysis of FGM plate under patch load. <i>Composite Structures</i> , 2019, 208, 91-100.	5.8	57
46	Conducting polymers-based photocatalysis for treatment of organic contaminants in water. <i>Chemical Engineering Journal Advances</i> , 2020, 4, 100047.	5.2	55
47	Optimization of Mechanical Properties of Epoxy based Wood Dust Reinforced Green Composite Using Taguchi Method. , 2014, 5, 688-696.		51
48	<i>In situ</i> carbon-supported titanium dioxide (ICS-TiO ₂) as an electrode material for high performance supercapacitors. <i>Nanoscale Advances</i> , 2020, 2, 2376-2386.	4.6	50
49	Wafer-scale synthesis of a uniform film of few-layer MoS ₂ on GaN for 2D heterojunction ultraviolet photodetector. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 374003.	2.8	49
50	Gas sensing materials roadmap. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 303001.	1.8	49
51	Severe pulmonary hypertension is associated with altered right ventricle metabolic substrate uptake. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L435-L440.	2.9	45
52	Protective Role of IL-6 in Vascular Remodeling in <i>Schistosoma</i> Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 951-959.	2.9	43
53	Pt@Nanostrip Enabled Plasmonically Enhanced Broad Spectral Photodetection in Bilayer MoS ₂ . <i>Advanced Optical Materials</i> , 2017, 5, 1700009.	7.3	43
54	Endothelial nitric oxide synthase gene haplotypes and circulating nitric oxide levels significantly associate with risk of essential hypertension. <i>Free Radical Biology and Medicine</i> , 2008, 44, 1912-1918.	2.9	42

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55	Transcriptome analysis of rin mutant fruit and in silico analysis of promoters of differentially regulated genes provides insight into LeMADS-RIN-regulated ethylene-dependent as well as ethylene-independent aspects of ripening in tomato. <i>Molecular Genetics and Genomics</i> , 2012, 287, 189-203.	2.1	42
56	A prophage tail-like protein is deployed by Burkholderia bacteria to feed on fungi. <i>Nature Communications</i> , 2017, 8, 404.	12.8	42
57	A ripening-induced SLGH3-2 gene regulates fruit ripening via adjusting auxin-ethylene levels in tomato (<i>Solanum lycopersicum</i> L.). <i>Plant Molecular Biology</i> , 2018, 98, 455-469.	3.9	42
58	Fabrication of a counter electrode for dye-sensitized solar cells (DSSCs) using a carbon material produced with the organic ligand 2-methyl-8-hydroxyquinolinol (Mq). <i>Nanoscale Advances</i> , 2019, 1, 3192-3199.	4.6	42
59	A high-performance hydrogen sensor based on a reverse-biased MoS ₂ /GaN heterojunction. <i>Nanotechnology</i> , 2019, 30, 314001.	2.6	42
60	Massively parallel sequencing analysis of mucinous ovarian carcinomas: genomic profiling and differential diagnoses. <i>Gynecologic Oncology</i> , 2018, 150, 127-135.	1.4	41
61	Assessment of drugs of abuse in a wastewater treatment plant with parallel secondary wastewater treatment train. <i>Science of the Total Environment</i> , 2019, 658, 947-957.	8.0	41
62	MAFLD criteria overlooks a number of patients with severe steatosis: Is it clinically relevant?. <i>Journal of Hepatology</i> , 2020, 73, 1265-1267.	3.7	40
63	Clinical Outcomes and Patient-Matched Molecular Composition of Relapsed Medulloblastoma. <i>Journal of Clinical Oncology</i> , 2021, 39, 807-821.	1.6	40
64	Mechanical characterization and quantification of tensile, fracture and viscoelastic characteristics of wood filler reinforced epoxy composite. <i>Wood Science and Technology</i> , 2018, 52, 677-699.	3.2	39
65	Homologous recombination DNA repair defects in PALB2-associated breast cancers. <i>Npj Breast Cancer</i> , 2019, 5, 23.	5.2	39
66	Thermal performance and behavior analysis of SiO ₂ , Al ₂ O ₃ and MgO based nano-enhanced phase-changing materials, latent heat thermal energy storage system. <i>Journal of Energy Storage</i> , 2022, 48, 103977.	8.1	39
67	Efficient room temperature hydrogen sensor based on UV-activated ZnO nano-network. <i>Nanotechnology</i> , 2017, 28, 365502.	2.6	38
68	The repertoire of genetic alterations in salivary duct carcinoma including a novel HNRNPH3-ALK rearrangement. <i>Human Pathology</i> , 2019, 88, 66-77.	2.0	38
69	Vascular Adaptation of the Right Ventricle in Experimental Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 59, 479-489.	2.9	37
70	Interactions among Vascular-Tone Modulators Contribute to High Altitude Pulmonary Edema and Augmented Vasoreactivity in Highlanders. <i>PLoS ONE</i> , 2012, 7, e44049.	2.5	36
71	Carbon coated cobalt oxide (CC-CO ₃ O ₄) as electrode material for supercapacitor applications. <i>Materials Advances</i> , 2021, 2, 2918-2923.	5.4	36
72	Photocatalytic degradation of cyanide using polyurethane foam immobilized Fe-TCPP-S-TiO ₂ -rGO nano-composite. <i>Journal of Environmental Management</i> , 2021, 297, 113312.	7.8	36

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73	Determinants of mortality in patients with cirrhosis and uncontrolled variceal bleeding. <i>Journal of Hepatology</i> , 2021, 74, 66-79.	3.7	35
74	Interstitial macrophage-derived thrombospondin-1 contributes to hypoxia-induced pulmonary hypertension. <i>Cardiovascular Research</i> , 2020, 116, 2021-2030.	3.8	34
75	The removal of metformin and other selected PPCPs from water by poly(3,4-ethylenedioxythiophene) photocatalyst. <i>Science of the Total Environment</i> , 2021, 751, 142302.	8.0	34
76	The expanding roles of APETALA2/Ethylene Responsive Factors and their potential applications in crop improvement. <i>Briefings in Functional Genomics</i> , 2019, 18, 240-254.	2.7	33
77	Paradigm Shift in the Surveillance and Management of Dysplasia in Inflammatory Bowel Disease (West). <i>Digestive Endoscopy</i> , 2016, 28, 266-273.	2.3	32
78	Synthesis and characterization of carbon based counter electrode for dye sensitized solar cells (DSSCs) using organic precursor 2,2'-Bipyridine (Bpy) as a carbon material. <i>Journal of Alloys and Compounds</i> , 2018, 748, 905-910.	5.5	32
79	Energy Distribution of Pickup Ions at the Solar Wind Termination Shock. <i>Astrophysical Journal</i> , 2018, 860, 156.	4.5	32
80	Sucrose-derived carbon-coated nickel oxide (SDCC-NiO) as an electrode material for supercapacitor applications. <i>Materials Advances</i> , 2020, 1, 609-616.	5.4	32
81	High-resolution X-ray diffraction analysis of Al _x Ga _{1-x} N/In _x Ga _{1-x} N/GaN on sapphire multilayer structures: Theoretical, simulations, and experimental observations. <i>Journal of Applied Physics</i> , 2014, 115, 174507.	2.5	31
82	ELECTRON HEATING IN A RELATIVISTIC, WEIBEL-UNSTABLE PLASMA. <i>Astrophysical Journal</i> , 2015, 806, 165.	4.5	31
83	MAFLD Criteria Guide the Subtyping of Patients with Fatty Liver Disease. <i>Risk Management and Healthcare Policy</i> , 2021, Volume 14, 491-501.	2.5	31
84	Assessment and Response of Treated Cocos nucifera Reinforced Toughened Epoxy Composite Towards Fracture and Viscoelastic Properties. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2522-2535.	5.0	30
85	Identification, structure analysis, and transcript profiling of purple acid phosphatases under Pi deficiency in tomato (<i>Solanum lycopersicum</i> L.) and its wild relatives. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2253-2266.	7.5	30
86	Endocytosis of BRASSINOSTEROID INSENSITIVE1 Is Partly Driven by a Canonical Tyr-Based Motif. <i>Plant Cell</i> , 2020, 32, 3598-3612.	6.6	30
87	Genomic Survey, Gene Expression, and Interaction Analysis Suggest Diverse Roles of ARF and Aux/IAA Proteins in Solanaceae. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 1552-1572.	1.8	29
88	Application of Genome Editing in Tomato Breeding: Mechanisms, Advances, and Prospects. <i>International Journal of Molecular Sciences</i> , 2021, 22, 682.	4.1	29
89	Significance of angiotensinogen gene haplotypes and genotypes combinations in hypertension. <i>Journal of Hypertension</i> , 2008, 26, 1094-1101.	0.5	27
90	Comparison of different grading schemes in InGaAs metamorphic buffers on GaAs substrate: Tilt dependence on cross-hatch irregularities. <i>Applied Surface Science</i> , 2015, 357, 922-930.	6.1	27

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91	Non-linear analysis of porous elastically supported FGM plate under various loading. Composite Structures, 2020, 233, 111721.	5.8	26
92	Performance enhancement analysis of triangular solar air heater coated with nanomaterial embedded in black paint. Materials Today: Proceedings, 2020, 26, 2528-2532.	1.8	26
93	Past, present and future of blood pressure measuring instruments and their calibration. Measurement: Journal of the International Measurement Confederation, 2021, 172, 108845.	5.0	26
94	High-performance photodetector based on hybrid of MoS ₂ and reduced graphene oxide. Nanotechnology, 2018, 29, 404001.	2.6	25
95	Meshfree approach on buckling and free vibration analysis of porous FGM plate with proposed IHSDT resting on the foundation. Curved and Layered Structures, 2019, 6, 192-211.	1.3	25
96	Detection of Ochratoxin A in wheat samples in different regions of India. Food Control, 2012, 26, 63-67.	5.5	24
97	<i>CYBA</i> and <i>GSTP1</i> variants associate with oxidative stress under hypobaric hypoxia as observed in high-altitude pulmonary oedema. Clinical Science, 2012, 122, 299-311.	4.3	24
98	Hot electron induced NIR detection in CdS films. Scientific Reports, 2016, 6, 22939.	3.3	24
99	Identification of highly penetrant Rb-related synthetic lethal interactions in triple negative breast cancer. Oncogene, 2018, 37, 5701-5718.	5.9	24
100	Circadian Misalignment Rather Than Sleep Duration is Associated with MAFLD: A Population-Based Propensity Score-Matched Study. Nature and Science of Sleep, 2021, Volume 13, 103-111.	2.7	24
101	Enhancement of two dimensional electron gas concentrations due to Si ₃ N ₄ passivation on Al _{0.3} Ga _{0.7} N/GaN heterostructure: strain and interface capacitance analysis. AIP Advances, 2015, 5, .	1.3	23
102	Tailoring the performance of bamboo filler reinforced epoxy composite: insights into fracture properties and fracture mechanism. Journal of Polymer Research, 2019, 26, 1.	2.4	23
103	Clinical trial: seven-day vonoprazan versus 14-day proton pump inhibitor-based triple therapy for first-line <i>Helicobacter pylori</i> eradication. Alimentary Pharmacology and Therapeutics, 2022, 56, 436-449.	3.7	23
104	Influence of stochastic roughness on performance of a Rayleigh step bearing operating under Thermo-elastohydrodynamic lubrication considering shear flow factor. Tribology International, 2019, 134, 264-280.	5.9	22
105	Multi-locus interactions of vascular homeostasis genes in essential hypertension: A gender-based study. Clinica Chimica Acta, 2009, 405, 87-93.	1.1	21
106	The state of ambidexterity research: a data mining approach. International Journal of Organizational Analysis, 2018, 26, 343-367.	2.9	21
107	Solid pseudopapillary neoplasms of the pancreas are dependent on the Wnt pathway. Molecular Oncology, 2019, 13, 1684-1692.	4.6	21
108	Two-dimensional transition metal dichalcogenides and their composites for lab-based sensing applications: Recent progress and future outlook. Sensors and Actuators A: Physical, 2021, 318, 112517.	4.1	21

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109	Present Status and Future Perspective of Antimony Chalcogenide ($Sb_{2}X_{3}$) Photovoltaics. ACS Applied Energy Materials, 2022, 5, 6545-6585.	5.1	21
110	A mitochondrial unfolded protein response inhibitor suppresses prostate cancer growth in mice via HSP60. Journal of Clinical Investigation, 2022, 132, .	8.2	21
111	Interactions Between the Genes of Vasodilatation Pathways Influence Blood Pressure and Nitric Oxide Level in Hypertension. American Journal of Hypertension, 2015, 28, 239-247.	2.0	19
112	Identification and expression profiling of DNA methyltransferases during development and stress conditions in Solanaceae. Functional and Integrative Genomics, 2016, 16, 513-528.	3.5	19
113	Thermodynamic analysis of acetone sensing in Pd/AlGaN/GaN heterostructure Schottky diodes at low temperatures. Scripta Materialia, 2016, 113, 39-42.	5.2	19
114	Determination of band alignment at two-dimensional MoS ₂ /Si van der Waals heterojunction. Journal of Applied Physics, 2018, 123, .	2.5	19
115	Functional genomics of tomato: Opportunities and challenges in post-genome NGS era. Journal of Biosciences, 2014, 39, 917-929.	1.1	18
116	Boosting Sensing Performance of Vacancy-Containing Vertically Aligned MoS ₂ Using rGO Particles. IEEE Sensors Journal, 2019, 19, 10214-10220.	4.7	18
117	Synthesis and characterization of cobalt oxide (Co ₃ O ₄) nanoparticles. Materials Today: Proceedings, 2021, 41, 269-271.	1.8	18
118	Interactions between the FTO and GNB3 Genes Contribute to Varied Clinical Phenotypes in Hypertension. PLoS ONE, 2013, 8, e63934.	2.5	17
119	2DEG modulation in double quantum well enhancement mode nitride HEMT. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 74, 59-64.	2.7	17
120	Fast Response (7.6s) Acetone Sensing by InGaN/GaN on Si (111) at 373 K. IEEE Electron Device Letters, 2017, 38, 383-386.	3.9	17
121	Crystalline GaAs Thin Film Growth on a c-Plane Sapphire Substrate. Crystal Growth and Design, 2019, 19, 5088-5096.	3.0	17
122	Updated inventory, evolutionary and expression analyses of G (PDR) type ABC transporter genes of rice. Plant Physiology and Biochemistry, 2019, 142, 429-439.	5.8	17
123	Obesity and deep brain stimulation: an overview. Annals of Neurosciences, 2015, 22, 181-8.	1.7	17
124	Genome analysis and genetic enhancement of tomato. Critical Reviews in Biotechnology, 2009, 29, 152-181.	9.0	16
125	Comprehensive strain and band gap analysis of PA-MBE grown AlGaIn/GaN heterostructures on sapphire with ultra thin buffer. AIP Advances, 2014, 4, .	1.3	16
126	Highly Sensitive Acetone Sensor Based on Pd/AlGaIn/GaN Resistive Device Grown by Plasma-Assisted Molecular Beam Epitaxy. IEEE Transactions on Electron Devices, 2017, 64, 4650-4656.	3.0	16

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127	Thermal modelling and characteristic evaluation of electric vehicle battery system. Case Studies in Thermal Engineering, 2021, 26, 101058.	5.7	16
128	CYP11B2 gene haplotypes independently and in concurrence with aldosterone and aldosterone to renin ratio increase the risk of hypertension. Clinical Biochemistry, 2010, 43, 136-141.	1.9	15
129	Preferential Heating and Acceleration of Heavy Ions in Impulsive Solar Flares. Astrophysical Journal, 2017, 835, 295.	4.5	15
130	Long-Term Surface Electrode Impedance Recordings Associated with Gliosis for a Closed-Loop Neurostimulation Device. Annals of Neurosciences, 2018, 25, 289-298.	1.7	15
131	Enhanced Carrier Density in a MoS ₂ /Si Heterojunction-Based Photodetector by Inverse Auger Process. IEEE Transactions on Electron Devices, 2018, 65, 4149-4154.	3.0	15
132	Development of Remote Wireless Environmental Conditions Measurement, Monitoring and Recording Device for Metrological and Other Scientific Applications. Mapan - Journal of Metrology Society of India, 2020, 35, 193-199.	1.5	15
133	MoS ₂ -PVP Nanocomposites Decorated ZnO Microsheets for Efficient Hydrogen Detection. IEEE Sensors Journal, 2021, 21, 8878-8885.	4.7	15
134	Comparisons between non-alcoholic steatohepatitis and alcohol-related hepatocellular carcinoma. Clinical and Molecular Hepatology, 2020, 26, 196-208.	8.9	15
135	Evolutionary Trails of Plant Group II Pyridoxal Phosphate-Dependent Decarboxylase Genes. Frontiers in Plant Science, 2016, 07, 1268.	3.6	14
136	Effect of surface roughness and deformation on Rayleigh step bearing under thin film lubrication. Industrial Lubrication and Tribology, 2017, 69, 1016-1032.	1.3	14
137	A practical clinical approach to liver fibrosis. Singapore Medical Journal, 2018, 59, 628-633.	0.6	14
138	Excitation intensity and thickness dependent emission mechanism from an ultrathin InAs layer in GaAs matrix. Journal of Applied Physics, 2018, 124, .	2.5	14
139	Comparison of Monte Carlo Simulation, Least Square Fitting and Calibration Factor Methods for the Evaluation of Measurement Uncertainty Using Direct Pressure Indicating Devices. Mapan - Journal of Metrology Society of India, 2019, 34, 305-315.	1.5	14
140	Elucidating the Coir Particle Filler Interaction in Epoxy Polymer Composites at Low Strain Rate. Fibers and Polymers, 2019, 20, 428-439.	2.1	14
141	Novel non-invasive score to predict cirrhosis in the era of hepatitis C elimination: A population study of ex-substance users in Singapore. Hepatobiliary and Pancreatic Diseases International, 2019, 18, 143-148.	1.3	14
142	Effect of directionally oriented random roughness on performance of a Rayleigh step bearing operating under Mixed-Elastohydrodynamic Lubrication. Tribology International, 2021, 153, 106572.	5.9	14
143	The global disease burden of varicella-zoster virus infection from 1990 to 2019. Journal of Medical Virology, 2022, 94, 2736-2746.	5.0	14
144	GENERALIZED LAMBERT SERIES, RAABE'S COSINE TRANSFORM AND A GENERALIZATION OF RAMANUJAN'S FORMULA FOR. Nagoya Mathematical Journal, 2020, 239, 232-293.	0.8	13

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145	Does preemptive transjugular intrahepatic portosystemic shunt improve survival after acute variceal bleeding? Systematic review, meta-analysis, and trial sequential analysis of randomized trials. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2022, 37, 455-463.	2.8	13
146	Comparison of different pathways in metamorphic graded buffers on GaAs substrate: Indium incorporation with surface roughness. <i>Applied Surface Science</i> , 2015, 324, 304-309.	6.1	12
147	Power performance of BFO-graphene composite electrodes based supercapacitor. <i>Materials Research Express</i> , 2019, 6, 025054.	1.6	12
148	Application of WQI for water quality assessment of high-altitude snow-fed sacred Lake Hemkund, Garhwal Himalaya. <i>Sustainable Water Resources Management</i> , 2020, 6, 1.	2.1	12
149	Pathophysiology and potential future therapeutic targets using preclinical models of COVID-19. <i>ERJ Open Research</i> , 2020, 6, 00405-2020.	2.6	12
150	Plasmonic Au Nanoparticles Sensitized MoS ₂ , for Bifunctional NO ₂ , and Light Sensing. <i>IEEE Sensors Journal</i> , 2021, 21, 4190-4197.	4.7	12
151	Davydov Splitting, Resonance Effect and Phonon Dynamics in Chemical Vapor Deposition Grown Layered MoS ₂ . <i>Nanotechnology</i> , 2021, 32, 285705.	2.6	12
152	MAFLD Criteria May Overlook a Subtype of Patient with Steatohepatitis and Significant Fibrosis. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 3417-3425.	2.4	12
153	Superscattering from cylindrical hyperbolic metamaterials in the visible region. <i>Optics Express</i> , 2020, 28, 1507.	3.4	12
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