

Neha Gupta

List of Publications by Year in descending order

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122
papers

4,408
citations

159585

30
h-index

118850

62
g-index

125
all docs

125
docs citations

125
times ranked

4549
citing authors

#	ARTICLE	IF	CITATIONS
1	The stimulation of thrombosis by hypoxia. <i>Thrombosis Research</i> , 2019, 181, 77-83.	1.7	316
2	Hazardous heavy metals contamination of vegetables and food chain: Role of sustainable remediation approaches - A review. <i>Environmental Research</i> , 2019, 179, 108792.	7.5	309
3	A review on current status of municipal solid waste management in India. <i>Journal of Environmental Sciences</i> , 2015, 37, 206-217.	6.1	286
4	Mechanistic understanding and holistic approach of phytoremediation: A review on application and future prospects. <i>Ecological Engineering</i> , 2018, 120, 274-298.	3.6	275
5	Chromium contamination and effect on environmental health and its remediation: A sustainable approaches. <i>Journal of Environmental Management</i> , 2021, 285, 112174.	7.8	256
6	Trace elements in soil-vegetables interface: Translocation, bioaccumulation, toxicity and amelioration - A review. <i>Science of the Total Environment</i> , 2019, 651, 2927-2942.	8.0	253
7	Fluoride contamination, health problems and remediation methods in Asian groundwater: A comprehensive review. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109362.	6.0	250
8	Activation of NLRP3 inflammasome complex potentiates venous thrombosis in response to hypoxia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4763-4768.	7.1	183
9	A review of emerging adsorbents and current demand for defluoridation of water: Bright future in water sustainability. <i>Environment International</i> , 2018, 111, 80-108.	10.0	180
10	A review on municipal solid waste as a renewable source for waste-to-energy project in India: Current practices, challenges, and future opportunities. <i>Journal of Cleaner Production</i> , 2020, 277, 123227.	9.3	176
11	Altered expression of platelet proteins and calpain activity mediate hypoxia-induced prothrombotic phenotype. <i>Blood</i> , 2014, 123, 1250-1260.	1.4	112
12	GIS-based evaluation of groundwater geochemistry and statistical determination of the fate of contaminants in shallow aquifers from different functional areas of Agra city, India: levels and spatial distributions. <i>RSC Advances</i> , 2018, 8, 15876-15889.	3.6	89
13	Evaluating heavy metals contamination in soil and vegetables in the region of North India: Levels, transfer and potential human health risk analysis. <i>Environmental Toxicology and Pharmacology</i> , 2021, 82, 103563.	4.0	89
14	Human health risk assessment: Study of a population exposed to fluoride through groundwater of Agra city, India. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 106, 68-80.	2.7	85
15	Exposure to High Altitude: A Risk Factor for Venous Thromboembolism?. <i>Seminars in Thrombosis and Hemostasis</i> , 2012, 38, 156-163.	2.7	81
16	Review of passive heating/cooling systems of buildings. <i>Energy Science and Engineering</i> , 2016, 4, 305-333.	4.0	77
17	MicroRNA-145 Impedes Thrombus Formation via Targeting Tissue Factor in Venous Thrombosis. <i>EBioMedicine</i> , 2017, 26, 175-186.	6.1	56
18	TCAD RF performance investigation of Transparent Gate Recessed Channel MOSFET. <i>Microelectronics Journal</i> , 2016, 49, 36-42.	2.0	53

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19	Seaweed-Based Molecules and Their Potential Biological Activities: An Eco-Sustainable Cosmetics. <i>Molecules</i> , 2021, 26, 5313.	3.8	49
20	Optimization of high-k and gate metal workfunction for improved analog and intermodulation performance of Gate Stack (GS)-GEWE-SiNW MOSFET. <i>Superlattices and Microstructures</i> , 2016, 97, 630-641.	3.1	47
21	Analysis of novel transparent gate recessed channel (TGRC) MOSFET for improved analog behaviour. <i>Microsystem Technologies</i> , 2016, 22, 2665-2671.	2.0	41
22	Screening and evaluation of cellulytic fungal strains for saccharification and bioethanol production from rice residue. <i>Energy</i> , 2020, 190, 116422.	8.8	41
23	Impact of device parameter variation on RF performance of gate electrode workfunction engineered (GEWE)-silicon nanowire (SiNW) MOSFET. <i>Journal of Computational Electronics</i> , 2015, 14, 798-810.	2.5	39
24	Nano-phytoremediation of Pollutants from Contaminated Soil Environment: Current Scenario and Future Prospects. , 2018, , 383-401.		38
25	A naphthalimide-based solid state luminescent probe for ratiometric detection of aluminum ions: <i>in vitro</i> and <i>in vivo</i> applications. <i>Chemical Communications</i> , 2017, 53, 12646-12649.	4.1	35
26	Fluorescent probes for hydrogen polysulfides (H ₂ S _n , n > 1): from design rationale to applications. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6692-6701.	2.8	35
27	A novel synthesis and characterization of polyhedral shaped amorphous iron oxide nanoparticles from incense sticks ash waste. <i>Environmental Technology and Innovation</i> , 2020, 20, 101089.	6.1	35
28	Scavenger receptors: Implications in atherothrombotic disorders. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 697-700.	2.8	34
29	Periodic theory of building integrated photovoltaic thermal (BiPVT) system. <i>Solar Energy</i> , 2016, 125, 373-380.	6.1	34
30	Investigation of temperature variations on analog/RF and linearity performance of stacked gate GEWE-SiNW MOSFET for improved device reliability. <i>Microelectronics Reliability</i> , 2016, 64, 235-241.	1.7	33
31	Appraisal of contamination of heavy metals and health risk in agricultural soil of Jhansi city, India. <i>Environmental Toxicology and Pharmacology</i> , 2021, 88, 103740.	4.0	33
32	Power gain assessment of ITO based Transparent Gate Recessed Channel (TGRC) MOSFET for RF/wireless applications. <i>Superlattices and Microstructures</i> , 2016, 91, 290-301.	3.1	32
33	Haematological and histological changes in fish <i>Heteropneustes fossilis</i> exposed to pesticides from industrial waste water. <i>Human and Ecological Risk Assessment (HERA)</i> , 2019, 25, 1251-1278.	3.4	32
34	Performance evaluation of linearity and intermodulation distortion of nanoscale GaN-SOI FinFET for RFIC design. <i>AEU - International Journal of Electronics and Communications</i> , 2020, 115, 153052.	2.9	31
35	Investigation of Heavy Metal Accumulation in Vegetables and Health Risk to Humans From Their Consumption. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	31
36	Genome-Wide Expression Analysis Suggests Hypoxia-Triggered Hyper-Coagulation Leading to Venous Thrombosis at High Altitude. <i>Thrombosis and Haemostasis</i> , 2018, 118, 1279-1295.	3.4	29

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37	Review on Evaluation of Renewable Bioenergy Potential for Sustainable Development: Bright Future in Energy Practice in India. ACS Sustainable Chemistry and Engineering, 2021, 9, 16007-16030.	6.7	29
38	A thermal model of hybrid cooling systems for building integrated semitransparent photovoltaic thermal system. Solar Energy, 2017, 153, 486-498.	6.1	26
39	Venous thrombosis at altitude presents with distinct biochemical profiles: a comparative study from the Himalayas to the plains. Blood Advances, 2019, 3, 3713-3723.	5.2	25
40	Application of response surface method for Total organic carbon reduction in leachate treatment using Fenton process. Environmental Technology and Innovation, 2020, 19, 101009.	6.1	25
41	Influence of gate metal engineering on small-signal and noise behaviour of silicon nanowire MOSFET for low-noise amplifiers. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	22
42	Review of Thin-Film Transistors (TFTs) for Highly Sensitive Biosensing Applications: A Review. ECS Journal of Solid State Science and Technology, 2020, 9, 115022.	1.8	22
43	Effect of Fly Ash Disposal on Ground Water Quality near Parichha Thermal Power Plant, Jhansi: A Case Study. Current World Environment Journal, 2015, 10, 572-580.	0.5	20
44	Effect of water flow on building integrated semitransparent photovoltaic thermal system with heat capacity. Sustainable Cities and Society, 2018, 39, 708-718.	10.4	19
45	Antithrombotic potential of esculin 7, 3- β -D-glucopyranosyl-6-O-pentasulfate (EPS) for its role in thrombus reduction using rat thrombosis model. International Journal of Biological Macromolecules, 2018, 119, 360-368.	7.5	19
46	Recent Advances in Methods for Recovery of Cenospheres from Fly Ash and Their Emerging Applications in Ceramics, Composites, Polymers and Environmental Cleanup. Crystals, 2021, 11, 1067.	2.2	19
47	An Insight Into Test Case Optimization: Ideas and Trends With Future Perspectives. IEEE Access, 2019, 7, 22310-22327.	4.2	17
48	Increased efficiency of 23% for CIGS solar cell by using ITO as front contact. Materials Today: Proceedings, 2020, 28, 361-365.	1.8	17
49	Numerical assessment of high-k spacer on symmetric S/D underlap GAA junctionless accumulation mode silicon nanowire MOSFET for RFIC design. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	17
50	Energy Matrices of Building Integrated Photovoltaic Thermal Systems: Case Study. Journal of Architectural Engineering, 2017, 23, .	1.6	16
51	Study of Associated Genetic Variants in Indian Subjects Reveals the Basis of Ethnicity Related Differences in Susceptibility to Venous Thromboembolism. Thrombosis, 2014, 2014, 1-9.	1.4	14
52	Prediction of ischemic stroke in young Indians. Blood Coagulation and Fibrinolysis, 2013, 24, 449-453.	1.0	12
53	Analysis of structural parameters on sensitivity of black phosphorus junctionless recessed channel MOSFET for biosensing application. Microsystem Technologies, 2020, 26, 2227-2233.	2.0	12
54	Raman Spectroscopy: An Exploratory Study to Identify Post-Radiation Cell Survival. Applied Spectroscopy, 2020, 74, 553-562.	2.2	12

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55	Dielectric modulated transparent gate thin film transistor for biosensing applications. Materials Today: Proceedings, 2020, 28, 141-145.	1.8	12
56	Assessment of High-k Gate Stack on Sub-10 nm SOI-FinFET for High-Performance Analog and RF Applications Perspective. ECS Journal of Solid State Science and Technology, 2020, 9, 123009.	1.8	12
57	Simulation of perovskite solar cell employing ZnO as electron transport layer (ETL) for improved efficiency. Materials Today: Proceedings, 2021, 46, 1684-1687.	1.8	11
58	An Optimal Chance Constraint Multivariate Stratified Sampling Design Using Auxiliary Information. Mathematical Modelling and Algorithms, 2014, 13, 341-352.	0.5	10
59	Polysulfated Trehalose as a Novel Anticoagulant Agent with Dual Mode of Action. BioMed Research International, 2015, 2015, 1-11.	1.9	10
60	Oxide bound impact on hot-carrier degradation for gate electrode workfunction engineered (GEWE) silicon nanowire MOSFET. Microsystem Technologies, 2016, 22, 2655-2664.	2.0	10
61	Exergy analysis of building integrated semitransparent photovoltaic thermal (BiSPVT) system. Engineering Science and Technology, an International Journal, 2017, 20, 41-50.	3.2	10
62	Comparative analysis of fault tolerance models and their challenges in cloud computing. International Journal of Engineering and Technology(UAE), 2017, 6, 36.	0.3	10
63	Security and Privacy Issues of Blockchain Technology. Studies in Big Data, 2020, , 207-226.	1.1	10
64	Effect of structured parameters on the hot-carrier immunity of transparent gate recessed channel (TGRC) MOSFET. Microsystem Technologies, 2017, 23, 4057-4064.	2.0	9
65	NoSQL Security. Advances in Computers, 2018, 109, 101-132.	1.6	9
66	Parametric study to understand the effect of various passive cooling concepts on building integrated semitransparent photovoltaic thermal system. Solar Energy, 2019, 180, 391-400.	6.1	9
67	20Ånm GAA-GaN/Al ₂ O ₃ nanowire MOSFET for improved analog/linearity performance metrics and suppressed distortion. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	9
68	RF noise modeling of Black Phosphorus Junctionless Trench MOSFET in strong inversion region. Superlattices and Microstructures, 2019, 125, 72-79.	3.1	8
69	Role of Web Content Mining in Kids' based Mobile Search. International Journal of Computer Applications, 2013, 62, 12-17.	0.2	8
70	New model for building-integrated semitransparent photovoltaic thermal system. Journal of Renewable and Sustainable Energy, 2017, 9, 043504.	2.0	7
71	Fuzzy multi-objective optimization for optimum allocation in multivariate stratified sampling with quadratic cost and parabolic fuzzy numbers. Journal of Statistical Computation and Simulation, 2017, 87, 2372-2383.	1.2	7
72	Sub-10 nm High-k Dielectric SOI-FinFET for HighPerformance Low Power Applications. , 2020, , .		7

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73	Interactive Fuzzy Goal Programming approach in multi-response stratified sample surveys. Yugoslav Journal of Operations Research, 2016, 26, 241-258.	0.8	7
74	Implications of transport models on the analog performance of Gate Electrode Workfunction Engineered (GEWE) Silicon Nanowire MOSFET. , 2014, , .		6
75	Reliability optimization problems with multiple constraints under fuzziness. Journal of Industrial Engineering International, 2016, 12, 459-467.	1.8	6
76	Effect of heat capacity on monthly and yearly exergy performance of building integrated semitransparent photovoltaic thermal system. Journal of Renewable and Sustainable Energy, 2017, 9, 023506.	2.0	5
77	Hypoxia Signaling in Cardiovascular Diseases. , 0, , .		5
78	Optimization of fuzzy bi-objective fractional assignment problem. Opsearch, 2019, 56, 1091-1102.	1.8	5
79	Design Considerations and Capacitance Dependent Parametric Assessment of Gate Metal Engineered SiNW MOSFET for ULSI Switching Applications. Silicon, 2020, 12, 1501-1510.	3.3	5
80	Fuzzy Goal Programming Approach in Selective Maintenance Reliability Model. Pakistan Journal of Statistics and Operation Research, 2013, 9, 321.	1.1	5
81	Educational Data Mining Review. Advances in Information Security, Privacy, and Ethics Book Series, 2017, , 149-165.	0.5	5
82	Effect of dielectric engineering on analog and linearity performance of gate electrode workfunction engineered (GEWE) silicon nanowire MOSFET. , 2015, , .		4
83	Bayesian network for decision-support on pest management of tomato fruit borer, H. armigera. International Journal of Engineering and Technology(UAE), 2017, 6, 168.	0.3	4
84	Decision Making in Integrated Pest Management and Bayesian Network. International Journal of Computer Science and Information Technology, 2017, 9, 31-37.	0.6	4
85	Tools of Opinion Mining. Advances in Data Mining and Database Management Book Series, 2019, , 179-203.	0.5	4
86	ICT based decision support systems for Integrated Pest Management (IPM)in India: A review. Agricultural Reviews, 2016, 37, .	0.1	4
87	Efforts are made but food wastage is still going on: a study of motivation factors for food waste reduction among household consumers. Asia-Pacific Journal of Business Administration, 2022, 14, 244-264.	2.7	4
88	Highly efficient tin oxide-based colloidal lead sulfide quantum dot solar cell. Energy Storage, 2023, 5, .	4.3	4
89	Linearity performance of Gate Metal Engineered (GME) Omega Gate-Silicon Nanowire MOSFET: A TCAD study. , 2016, , .		3
90	Endothelin-1 Gene Polymorphism and Its Level Predict the Risk of Venous Thromboembolism in Male Indian Population. Clinical and Applied Thrombosis/Hemostasis, 2017, 23, 429-437.	1.7	3

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91	Quercetin 3, 3,4,5, 7-O- pentasulfate (QPS): A novel activator of protein disulfide isomerase. <i>Medicine in Drug Discovery</i> , 2020, 6, 100029.	4.5	3
92	Reliability of Sub-20nm Black Phosphorus Trench (BP-T) MOSFET in High-Temperature Harsh Environment. <i>Silicon</i> , 2021, 13, 1277-1283.	3.3	3
93	Influence of GaN/ZrO ₂ interfacial layer defects on 8-nm GaN-SOI-FinFET for reliable RFIC design. <i>AEU - International Journal of Electronics and Communications</i> , 2022, 144, 154045.	2.9	3
94	Impact of Channel Doping and Gate Length on Small Signal Behaviour of Gate Electrode Workfunction Engineered Silicon Nanowire MOSFET at THz Frequency. , 2014, , .		2
95	Observations on Native valve endocarditis caused by <i>Kocuria kristinae</i> . <i>Enfermedades Infecciosas Y Microbiología Clínica</i> , 2018, 36, 146.	0.5	2
96	<i>Elizabethkingia miricola</i> : Discrepancies in identification and antimicrobial susceptibilities. <i>Diagnostic Microbiology and Infectious Disease</i> , 2019, 94, 104.	1.8	2
97	Carbon Nanotube Recessed Channel (CNT-RC) MOSFET for High Linearity/ULSI Applications. , 2019, , .		2
98	Enhancing Data Quality at ETL Stage of Data Warehousing. <i>International Journal of Data Warehousing and Mining</i> , 2021, 17, 74-91.	0.6	2
99	A Heuristic Approach for Web Content Extraction. <i>International Journal of Computer Applications</i> , 2011, 15, 20-24.	0.2	2
100	Two-Stage Stratified Randomized Response Model with Fuzzy Numbers. <i>Advances in Fuzzy Systems</i> , 2016, 2016, 1-8.	0.9	1
101	Quantum analysis based extraction of frequency dependent intrinsic and extrinsic parameters for GEWE-SiNW MOSFET. <i>Journal of Computational Electronics</i> , 2017, 16, 61-73.	2.5	1
102	Uncertainties in Identification of <i>Elizabethkingia meningoseptica</i> . <i>Pediatric Infectious Disease Journal</i> , 2019, 38, e19-e19.	2.0	1
103	<i>Elizabethkingia meningoseptica</i> diagnostic hitch. <i>Infection</i> , 2019, 47, 137-138.	4.7	1
104	Effect of movable insulation on performance of the Building integrated Semi-transparent Photovoltaic Thermal (BiSPVT) system for harsh cold climatic conditions: a case study. <i>International Journal of Ambient Energy</i> , 0, , 1-15.	2.5	1
105	<i>Nigella sativa</i> and its chemical constituents: A promising approach against neurodegenerative disorders. , 2022, , 149-176.		1
106	Effect of Fly Ash Deposition on Biochemical Parameters of Different Crop Plants around Parichcha Thermal Power Plant, Jhansi, India. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2016, 5, 873-877.	0.1	1
107	Extemporizing the Data Trait. <i>SSRG International Journal of Engineering Trends and Technology</i> , 2018, 58, 100-103.	0.5	1
108	Detection of Hazardous Analyte Using Transparent Gate Thin-Film Transistor. <i>Lecture Notes in Networks and Systems</i> , 2020, , 197-204.	0.7	1

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109	Significant Improvement in Magnetic and Magnetoelectric Characteristics of (0.95 \hat{a}) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 74 Ceramics. IEEE Transactions on Magnetics, 2022, 58, 1-14.	2.1	1
110	Architectural framework of mobile based web miner. , 2014, , .		0
111	Dilemma in identifying <i>Chryseobacterium</i> species. Infectious Diseases, 2018, 50, 878-879.	2.8	0
112	Non-Quasi-Static Small-Signal Modeling of TGRC MOSFET in Parameter Perspective for RF/Microwave Applications. , 2019, , .		0
113	Gate Engineered GAA Silicon-Nanowire MOSFET for High Switching Performance. , 2020, , .		0
114	Impact of Deep Learning on Semantic Sentiment Analysis. Advances in Web Technologies and Engineering Book Series, 2021, , 97-117.	0.4	0
115	Integrating Semantic Acquaintance for Sentiment Analysis. Advances in Computational Intelligence and Robotics Book Series, 2021, , 93-112.	0.4	0
116	Online Education in the Time of COVID-19 Crisis. International Journal of Engineering Technologies and Management Research, 2021, 8, 70-77.	0.1	0
117	Surface To Surface Map Algorithm For Protein - Small Molecule Matching. International Journal of Pharmacology and Pharmaceutical Technology, 2013, , 7-10.	0.1	0
118	Bayesian Network for Development of Expert System in Pest Management. Studies in Big Data, 2020, , 45-65.	1.1	0
119	Static and CV Analysis of Gate Engineered GAA Silicon Nanowire MOSFET for High-Performance Applications. Lecture Notes in Electrical Engineering, 2020, , 59-68.	0.4	0
120	Enhancing Fault Tolerance of Cloud Nodes using Replication Techniques. International Journal of Recent Technology and Engineering, 2020, 8, 2040-2044.	0.2	0
121	Aspirin Inhibition of Group VI Phospholipase A2 Induces Synthetic Lethality in AAM Pathway Down-Regulated Gingivobuccal Squamous Carcinoma. Cells, 2022, 11, 123.	4.1	0
122	Hot carrier reliability assessment of vacuum gate dielectric trench MOSFET (TG-VacuFET). European Physical Journal Plus, 2022, 137, 1.	2.6	0