Neha Gupta

List of Publications by Year
in descending order

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	Highly efficient tin oxide–based colloidal lead sulfide quantum dot solar cell. Energy Storage, 2023, 5, .	4.3	4
2	Nigella sativa and its chemical constituents: A promising approach against neurodegenerativeÂdisorders. , 2022, , 149-176.		1
3	Influence of GaN/ZrO2 interfacial layer defects on 8-nm GaN-SOI-FinFET for reliable RFIC design. AEU - International Journal of Electronics and Communications, 2022, 144, 154045.	2.9	3
4	Significant Improvement in Magnetic and Magnetoelectric Characteristics of (0.95 â¯) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (<i> Ceramics. IEEE Transactions on Magnetics, 2022, 58, 1-14.	2.1	1
5	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
6	Investigation of Heavy Metal Accumulation in Vegetables and Health Risk to Humans From Their Consumption. Frontiers in Environmental Science, 2022, 10, .	3.3	31
7	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
8	Hot carrier reliability assessment of vacuum gate dielectric trench MOSFET (TG-VacuFET). European Physical Journal Plus, 2022, 137, 1.	2.6	0
9	Reliability of Sub-20Ânm Black Phosphorus Trench (BP-T) MOSFET in High-Temperature Harsh Environment. Silicon, 2021, 13, 1277-1283.	3.3	3
10	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
11	Evaluating heavy metals contamination in soil and vegetables in the region of North India: Levels, transfer and potential human health risk analysis. Environmental Toxicology and Pharmacology, 2021, 82, 103563.	4.0	89
12	Enhancing Data Quality at ETL Stage of Data Warehousing. International Journal of Data Warehousing and Mining, 2021, 17, 74-91.	0.6	2
13	Impact of Deep Learning on Semantic Sentiment Analysis. Advances in Web Technologies and Engineering Book Series, 2021, , 97-117.	0.4	0
14	Integrating Semantic Acquaintance for Sentiment Analysis. Advances in Computational Intelligence and Robotics Book Series, 2021, , 93-112.	0.4	0
15	Chromium contamination and effect on environmental health and its remediation: A sustainable approaches. Journal of Environmental Management, 2021, 285, 112174.	7.8	256
16	20Ânm GAA-GaN/Al2O3 nanowire MOSFET for improved analog/linearity performance metrics and suppressed distortion. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	9
17	Seaweed-Based Molecules and Their Potential Biological Activities: An Eco-Sustainable Cosmetics. Molecules, 2021, 26, 5313.	3.8	49
18	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

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19	Appraisal of contamination of heavy metals and health risk in agricultural soil of Jhansi city, India. Environmental Toxicology and Pharmacology, 2021, 88, 103740.	4.0	33
20	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
21	Online Education in the Time of COVID-19 Crisis. International Journal of Engineering Technologies and Management Research, 2021, 8, 70-77.	0.1	0
22	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
23	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
24	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
25	Screening and evaluation of cellulytic fungal strains for saccharification and bioethanol production from rice residue. Energy, 2020, 190, 116422.	8.8	41
26	Performance evaluation of linearity and intermodulation distortion of nanoscale GaN-SOI FinFET for RFIC design. AEU - International Journal of Electronics and Communications, 2020, 115, 153052.	2.9	31
27	A novel synthesis and characterization of polyhedral shaped amorphous iron oxide nanoparticles from incense sticks ash waste. Environmental Technology and Innovation, 2020, 20, 101089.	6.1	35
28	A review on municipal solid waste as a renewable source for waste-to-energy project in India: Current practices, challenges, and future opportunities. Journal of Cleaner Production, 2020, 277, 123227.	9.3	176
29	Gate Engineered GAA Silicon-Nanowire MOSFET for High Switching Performance. , 2020, , .		0
30	Sub-10 nm High-k Dielectric SOI-FinFET for HighPerformance Low Power Applications. , 2020, , .		7
31	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
32	Increased efficiency of 23% for CIGS solar cell by using ITO as front contact. Materials Today: Proceedings, 2020, 28, 361-365.	1.8	17
33	Quercetin 3, 3â€², 4â€², 5, 7-O- pentasulfate (QPS): A novel activator of protein disulfide isomerase. Medicine in Drug Discovery, 2020, 6, 100029.	4.5	3
34	Raman Spectroscopy: An Exploratory Study to Identify Post-Radiation Cell Survival. Applied Spectroscopy, 2020, 74, 553-562.	2.2	12
35	Dielectric modulated transparent gate thin film transistor for biosensing applications. Materials Today: Proceedings, 2020, 28, 141-145.	1.8	12
36	Security and Privacy Issues of Blockchain Technology. Studies in Big Data, 2020, , 207-226.	1.1	10

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37	Review—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
38	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
39	Bayesian Network for Development of Expert System in Pest Management. Studies in Big Data, 2020, , 45-65.	1.1	0
40	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
41	Detection of Hazardous Analyte Using Transparent Gate Thin-Film Transistor. Lecture Notes in Networks and Systems, 2020, , 197-204.	0.7	1
42	Enhancing Fault Tolerance of Cloud Nodes using Replication Techniques. International Journal of Recent Technology and Engineering, 2020, 8, 2040-2044.	0.2	0
43	The stimulation of thrombosis by hypoxia. Thrombosis Research, 2019, 181, 77-83.	1.7	316
44	Non-Quasi-Static Small-Signal Modeling of TGRC MOSFET in Parameter Perspective for RF/Microwave Applications. , 2019, , .		0
45	Hazardous heavy metals contamination of vegetables and food chain: Role of sustainable remediation approaches - A review. Environmental Research, 2019, 179, 108792.	7.5	309
46	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
47	Elizabethkingia miricola: Discrepancies in identification and antimicrobial susceptibilities. Diagnostic Microbiology and Infectious Disease, 2019, 94, 104.	1.8	2
48	Fluoride contamination, health problems and remediation methods in Asian groundwater: A comprehensive review. Ecotoxicology and Environmental Safety, 2019, 182, 109362.	6.0	250
49	Human health risk assessment: Study of a population exposed to fluoride through groundwater of Agra city, India. Regulatory Toxicology and Pharmacology, 2019, 106, 68-80.	2.7	85
50	Uncertainties in Identification of Elizabethkingia meningoseptica. Pediatric Infectious Disease Journal, 2019, 38, e19-e19.	2.0	1
51	Optimization of fuzzy bi-objective fractional assignment problem. Opsearch, 2019, 56, 1091-1102.	1.8	5
52	Haematological and histological changes in fish <i>Heteropneustes fossilis</i> exposed to pesticides from industrial waste water. Human and Ecological Risk Assessment (HERA), 2019, 25, 1251-1278.	3.4	32
53	An Insight Into Test Case Optimization: Ideas and Trends With Future Perspectives. IEEE Access, 2019, 7, 22310-22327.	4.2	17
54	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

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55	Carbon Nanotube Recessed Channel (CNT-RC) MOSFET for High Linearity/ULSI Applications. , 2019, , .		2
56	Elizabethkingia meningoseptica diagnostic hitch. Infection, 2019, 47, 137-138.	4.7	1
57	Trace elements in soil-vegetables interface: Translocation, bioaccumulation, toxicity and amelioration - A review. Science of the Total Environment, 2019, 651, 2927-2942.	8.0	253
58	RF noise modeling of Black Phosphorus Junctionless Trench MOSFET in strong inversion region. Superlattices and Microstructures, 2019, 125, 72-79.	3.1	8
59	Tools of Opinion Mining. Advances in Data Mining and Database Management Book Series, 2019, , 179-203.	0.5	4
60	Observations on â€œNative valve endocarditis caused by Kocuria kristinae â€• Enfermedades Infecciosas Y MicrobiologÃa ClÃnica, 2018, 36, 146.	0.5	2
61	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
62	A review of emerging adsorbents and current demand for defluoridation of water: Bright future in water sustainability. Environment International, 2018, 111, 80-108.	10.0	180
63	Nano-phytoremediation of Pollutants from Contaminated Soil Environment: Current Scenario and Future Prospects. , 2018, , 383-401.		38
64	Dilemma in identifying <i>Chryseobacterium</i> species. Infectious Diseases, 2018, 50, 878-879.	2.8	0
65	Mechanistic understanding and holistic approach of phytoremediation: A review on application and future prospects. Ecological Engineering, 2018, 120, 274-298.	3.6	275
66	Antithrombotic potential of esculin 7, 3â€², 4â€², 5â€², 6â€²-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
67	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. RSC Advances, 2018, 8, 15876-15889.	3.6	89
68	Genome-Wide Expression Analysis Suggests Hypoxia-Triggered Hyper-Coagulation Leading to Venous Thrombosis at High Altitude. Thrombosis and Haemostasis, 2018, 118, 1279-1295.	3.4	29
69	NoSQL Security. Advances in Computers, 2018, 109, 101-132.	1.6	9
70	Extemporizing the Data Trait. SSRG International Journal of Engineering Trends and Technology, 2018, 58, 100-103.	0.5	1
71	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
72	Quantum analysis based extraction of frequency dependent intrinsic and extrinsic parameters for GEWE-SiNW MOSFET. Journal of Computational Electronics, 2017, 16, 61-73.	2.5	1

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73	Activation of NLRP3 inflammasome complex potentiates venous thrombosis in response to hypoxia. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4763-4768.	7.1	183
74	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
75	A thermal model of hybrid cooling systems for building integrated semitransparent photovoltaic thermal system. Solar Energy, 2017, 153, 486-498.	6.1	26
76	A naphthalimide-based solid state luminescent probe for ratiometric detection of aluminum ions: *in vitro* and *in vivo* applications. Chemical Communications, 2017, 53, 12646-12649.	4.1	35
77	New model for building-integrated semitransparent photovoltaic thermal system. Journal of Renewable and Sustainable Energy, 2017, 9, 043504.	2.0	7
78	Fluorescent probes for hydrogen polysulfides (H_2S_n, n > 1): from design rationale to applications. Organic and Biomolecular Chemistry, 2017, 15, 6692-6701.	2.8	35
79	Energy Matrices of Building Integrated Photovoltaic Thermal Systems: Case Study. Journal of Architectural Engineering, 2017, 23, .	1.6	16
80	MicroRNA-145 Impedes Thrombus Formation via Targeting Tissue Factor in Venous Thrombosis. EBioMedicine, 2017, 26, 175-186.	6.1	56
81	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
82	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
83	Exergy analysis of building integrated semitransparent photovoltaic thermal (BiSPVT) system. Engineering Science and Technology, an International Journal, 2017, 20, 41-50.	3.2	10
84	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
85	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
86	Decision Making in Integrated Pest Management and Bayesian Network. International Journal of Computer Science and Information Technology, 2017, 9, 31-37.	0.6	4
87	Educational Data Mining Review. Advances in Information Security, Privacy, and Ethics Book Series, 2017, , 149-165.	0.5	5
88	Two-Stage Stratified Randomized Response Model with Fuzzy Numbers. Advances in Fuzzy Systems, 2016, 2016, 1-8.	0.9	1
89	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
90	Linearity performance of Gate Metal Engineered (GME) Omega Gate-Silicon Nanowire MOSFET: A TCAD study. , 2016, , .		3

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91	Investigation of temperature variations on analog/RF and linearity performance of stacked gate GEWE-SiNW MOSFET for improved device reliability. Microelectronics Reliability, 2016, 64, 235-241.	1.7	33
92	Review of passive heating/cooling systems of buildings. Energy Science and Engineering, 2016, 4, 305-333.	4.0	77
93	Optimization of high-k and gate metal workfunction for improved analog and intermodulation performance of Gate Stack (GS)-GEWE-SiNW MOSFET. Superlattices and Microstructures, 2016, 97, 630-641.	3.1	47
94	Reliability optimization problems with multiple constraints under fuzziness. Journal of Industrial Engineering International, 2016, 12, 459-467.	1.8	6
95	Power gain assessment of ITO based Transparent Gate Recessed Channel (TGRC) MOSFET for RF/wireless applications. Superlattices and Microstructures, 2016, 91, 290-301.	3.1	32
96	Periodic theory of building integrated photovoltaic thermal (BiPVT) system. Solar Energy, 2016, 125, 373-380.	6.1	34
97	TCAD RF performance investigation of Transparent Gate Recessed Channel MOSFET. Microelectronics Journal, 2016, 49, 36-42.	2.0	53
98	Analysis of novel transparent gate recessed channel (TGRC) MOSFET for improved analog behaviour. Microsystem Technologies, 2016, 22, 2665-2671.	2.0	41
99	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
100	Effect of Fly Ash Deposition on Biochemical Parameters of Different Crop Plants around Parichcha Thermal Power Plant, Jhansi, India. International Journal of Current Microbiology and Applied Sciences, 2016, 5, 873-877.	0.1	1
101	Interactive Fuzzy Goal Programming approach in multi-response stratified sample surveys. Yugoslav Journal of Operations Research, 2016, 26, 241-258.	0.8	7
102	ICT based decision support systems for Integrated Pest Management (IPM)in India: A review. Agricultural Reviews, 2016, 37, .	0.1	4
103	Polysulfated Trehalose as a Novel Anticoagulant Agent with Dual Mode of Action. BioMed Research International, 2015, 2015, 1-11.	1.9	10
104	Effect of dielectric engineering on analog and linearity performance of gate electrode workfunction engineered (GEWE) silicon nanowire MOSFET. , 2015, , .		4
105	A review on current status of municipal solid waste management in India. Journal of Environmental Sciences, 2015, 37, 206-217.	6.1	286
106	Impact of device parameter variation on RF performance of gate electrode workfunction engineered (GEWE)-silicon nanowire (SiNW) MOSFET. Journal of Computational Electronics, 2015, 14, 798-810.	2.5	39
107	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
108	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

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109	Implications of transport models on the analog performance of Gate Electrode Workfunction Engineered (GEWE) Silicon Nanowire MOSFET. , 2014, , .		6
110	Impact of Channel Doping and Gate Length on Small Signal Behaviour of Gate Electrode Workfunction Engineered Silicon Nanowire MOSFET at THz Frequency. , 2014, , .		2
111	An Optimal Chance Constraint Multivariate Stratified Sampling Design Using Auxiliary Information. Mathematical Modelling and Algorithms, 2014, 13, 341-352.	0.5	10
112	Altered expression of platelet proteins and calpain activity mediate hypoxia-induced prothrombotic phenotype. Blood, 2014, 123, 1250-1260.	1.4	112
113	Architectural framework of mobile based web miner. , 2014, , .		0
114	Prediction of ischemic stroke in young Indians. Blood Coagulation and Fibrinolysis, 2013, 24, 449-453.	1.0	12
115	Fuzzy Goal Programming Approach in Selective Maintenance Reliability Model. Pakistan Journal of Statistics and Operation Research, 2013, 9, 321.	1.1	5
116	Role of Web Content Mining in Kids&apos; based Mobile Search. International Journal of Computer Applications, 2013, 62, 12-17.	0.2	8
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	Exposure to High Altitude: A Risk Factor for Venous Thromboembolism?. Seminars in Thrombosis and Hemostasis, 2012, 38, 156-163.	2.7	81
119	Scavenger receptors: Implications in atherothrombotic disorders. International Journal of Biochemistry and Cell Biology, 2011, 43, 697-700.	2.8	34
120	A Heuristic Approach for Web Content Extraction. International Journal of Computer Applications, 2011, 15, 20-24.	0.2	2
121	Hypoxia Signaling in Cardiovascular Diseases. , 0, , .		5
122	Effect of movable insulation on performance of the Building integrated Semi-transparent Photovoltaic Thermal (BiSPVT) system for harsh cold climatic conditions: a case study. International Journal of Ambient Energy, 0, , 1-15.	2.5	1