

Nithesh Naik

List of Publications by Year in descending order

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107
papers

3,681
citations

136940

32
h-index

149686

56
g-index

109
all docs

109
docs citations

109
times ranked

1891
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on the electromagnetic interference shielding properties of carbon based materials and their novel composites: Recent progress, challenges and prospects. Carbon, 2021, 176, 88-105.	10.3	328
2	Recent Progress in Essential Functions of Soft Electronic Skin. Advanced Functional Materials, 2021, 31, 2104686.	14.9	192
3	Vertically Aligned Silicon Carbide Nanowires/Boron Nitride Cellulose Aerogel Networks Enhanced Thermal Conductivity and Electromagnetic Absorbing of Epoxy Composites. Nano-Micro Letters, 2022, 14, 118.	27.0	186
4	Recent Advances of Asymmetric Supercapacitors. Advanced Materials Interfaces, 2021, 8, .	3.7	167
5	Legal and Ethical Consideration in Artificial Intelligence in Healthcare: Who Takes Responsibility?. Frontiers in Surgery, 2022, 9, 862322.	1.4	154
6	Overview of MXene and conducting polymer matrix composites for electromagnetic wave absorption. Advanced Composites and Hybrid Materials, 2022, 5, 704-754.	21.1	133
7	Agaric-like anodes of porous carbon decorated with MoO ₂ nanoparticles for stable ultralong cycling lifespan and high-rate lithium/sodium storage. Journal of Colloid and Interface Science, 2021, 596, 396-407.	9.4	129
8	Nanocellulose nanocomposite aerogel towards efficient oil and organic solvent adsorption. Advanced Composites and Hybrid Materials, 2021, 4, 459-468.	21.1	123
9	Magnetic NiFe ₂ O ₄ /Polypyrrole nanocomposites with enhanced electromagnetic wave absorption. Journal of Materials Science and Technology, 2022, 108, 64-72.	10.7	113
10	In-situ constructing visible light CdS/Cd-MOF photocatalyst with enhanced photodegradation of methylene blue. Particuology, 2022, 69, 111-122.	3.6	103
11	Interface Engineered Microcellular Magnetic Conductive Polyurethane Nanocomposite Foams for Electromagnetic Interference Shielding. Nano-Micro Letters, 2021, 13, 153.	27.0	100
12	N-doped MXene derived from chitosan for the highly effective electrochemical properties as supercapacitor. Advanced Composites and Hybrid Materials, 2022, 5, 356-369.	21.1	93
13	Highly thermal conductive epoxy nanocomposites filled with 3D BN/C spatial network prepared by salt template assisted method. Composites Part B: Engineering, 2021, 209, 108609.	12.0	85
14	Improving thermal conductivity of polyethylene/polypropylene by styrene-ethylene-propylene-styrene wrapping hexagonal boron nitride at the phase interface. Advanced Composites and Hybrid Materials, 2022, 5, 1090-1099.	21.1	85
15	Co ₃ O ₄ nanoparticle-dotted hierarchical-assembled carbon nanosheet framework catalysts with the formation/decomposition mechanisms of Li ₂ O ₂ for smart lithium-oxygen batteries. Inorganic Chemistry Frontiers, 2022, 9, 1115-1124.	6.0	76
16	Magneto-resistive and piezo-resistive polyaniline nanoarrays in-situ polymerized surrounding magnetic graphene aerogel. Advanced Composites and Hybrid Materials, 2022, 5, 1003-1016.	21.1	72
17	Advances in Waterborne Acrylic Resins: Synthesis Principle, Modification Strategies, and Their Applications. ACS Omega, 2021, 6, 2443-2449.	3.5	64
18	Artificial intelligence (AI) in urology-Current use and future directions: An iTRUE study. Turkish Journal of Urology, 2020, 46, S27-S39.	1.3	63

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19	Dendritic core-shell copper-nickel alloy@metal oxide for efficient non-enzymatic glucose detection. <i>Sensors and Actuators B: Chemical</i> , 2021, 337, 129687.	7.8	62
20	Metal organic framework-derived C-doped ZnO/TiO ₂ nanocomposite catalysts for enhanced photodegradation of Rhodamine B. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 566-576.	9.4	55
21	Overview of renewable polysaccharide-based composites for biodegradable food packaging applications. <i>Green Chemistry</i> , 2022, 24, 480-492.	9.0	51
22	The recent progress of synergistic supramolecular polymers: preparation, properties and applications. <i>Chemical Communications</i> , 2021, 57, 1413-1429.	4.1	47
23	Hydrothermally synthesized Ti/Zr bimetallic MOFs derived N self-doped TiO ₂ /ZrO ₂ composite catalysts with enhanced photocatalytic degradation of methylene blue. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 623, 126629.	4.7	44
24	Hydrothermal Microwave Synthesis of Co ₃ O ₄ /In ₂ O ₃ Nanostructures for Photoelectrocatalytic Reduction of Cr(VI). <i>ACS Applied Nano Materials</i> , 2022, 5, 8755-8766.	5.0	43
25	Artificial Intelligence and Its Impact on Urological Diseases and Management: A Comprehensive Review of the Literature. <i>Journal of Clinical Medicine</i> , 2021, 10, 1864.	2.4	42
26	The role of data science in healthcare advancements: applications, benefits, and future prospects. <i>Irish Journal of Medical Science</i> , 2022, 191, 1473-1483.	1.5	42
27	Carbon foams derived from emulsion-templated porous polymeric composites for electromagnetic interference shielding. <i>Carbon</i> , 2022, 188, 492-502.	10.3	42
28	Ultra-sensitive flexible sandwich structural strain sensors based on a silver nanowire supported PDMS/PVDF electrospun membrane substrate. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2752-2762.	5.5	41
29	AZ91 alloy nanocomposites reinforced with Mg-coated graphene: Phases distribution, interfacial microstructure, and property analysis. <i>Journal of Alloys and Compounds</i> , 2022, 902, 163484.	5.5	41
30	Influence of mass ratio and calcination temperature on physical and photoelectrochemical properties of ZnFe-layered double oxide/cobalt oxide heterojunction semiconductor for dye degradation applications. <i>Particuology</i> , 2023, 74, 141-155.	3.6	40
31	Hierarchical ZnO/MXene composites and their photocatalytic performances. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127230.	4.7	36
32	Highly efficient removal of trace lead (II) from wastewater by 1,4-dicarboxybenzene modified Fe/Co metal organic nanosheets. <i>Journal of Materials Science and Technology</i> , 2022, 98, 212-218.	10.7	36
33	Highly thermally conductive 3D BN/MWCNTs/C spatial network composites with improved electrically insulating and flame retardancy prepared by biological template assisted method. <i>Composites Part B: Engineering</i> , 2021, 222, 109039.	12.0	35
34	COVID 2019 outbreak: The disappointment in Indian teachers. <i>Asian Journal of Psychiatry</i> , 2020, 50, 102047.	2.0	34
35	Interfacial polymerized copolymers of aniline and phenylenediamine with tunable magnetoresistance and negative permittivity. <i>Materials Today Physics</i> , 2021, 21, 100502.	6.0	34
36	Artificial neural network for gender determination using mandibular morphometric parameters: A comparative retrospective study. <i>Cogent Engineering</i> , 2020, 7, 1723783.	2.2	33

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37	Corrosion Behavior of a Nickel-Free High-Nitrogen Stainless Steel with Hydrogen Charging. <i>Jom</i> , 2021, 73, 1165-1172.	1.9	31
38	Flower-like Hydroxyfluoride-Sensing Platform toward NO ₂ Detection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26278-26287.	8.0	30
39	Polyaniline facilitated curing of phthalonitrile resin with enhanced processibility and mechanical property. <i>Polymer</i> , 2021, 219, 123533.	3.8	28
40	Barriers to widespread adoption of plug-in electric vehicles in emerging Asian markets: An analysis of consumer behavioral attitudes and perceptions. <i>Cogent Engineering</i> , 2020, 7, 1796198.	2.2	25
41	Antifungal effect of seven essential oils on bamboo. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 552-561.	21.1	24
42	An overview of high-performance phthalonitrile resins: fabrication and electronic applications. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2925-2937.	5.5	24
43	Strong selectivity and high capacity in the adsorption of As (V) from wastewater by glycine-modified Fe/Cu-layered double hydroxides. <i>Journal of Alloys and Compounds</i> , 2021, 865, 158956.	5.5	23
44	Will "Hybrid" Meetings Replace Face-To-Face Meetings Post COVID-19 Era? Perceptions and Views From The Urological Community. <i>Urology</i> , 2021, 156, 52-57.	1.0	22
45	Bi-functional side chain architecture tuned amphoteric ion exchange membranes for high-performance vanadium redox flow batteries. <i>Journal of Membrane Science</i> , 2021, 624, 119118.	8.2	21
46	Dopamine-modified aramid fibers reinforced epoxidized natural rubber nanocomposites. <i>Composites Communications</i> , 2022, 29, 100996.	6.3	21
47	The Ascent of Artificial Intelligence in Endourology: a Systematic Review Over the Last 2 Decades. <i>Current Urology Reports</i> , 2021, 22, 53.	2.2	19
48	Flotation separation of acrylonitrile-butadienestyrene (ABS) and high impact polystyrene (HIPS) from waste electrical and electronic equipment (WEEE) by potassium permanganate surface modification. <i>Separation and Purification Technology</i> , 2021, 269, 118767.	7.9	18
49	Application of Artificial Intelligence-Based Classifiers to Predict the Outcome Measures and Stone-Free Status Following Percutaneous Nephrolithotomy for Staghorn Calculi: Cross-Validation of Data and Estimation of Accuracy. <i>Journal of Endourology</i> , 2021, 35, 1307-1313.	2.1	18
50	Delamination assessment in drilling basalt/carbon fiber reinforced epoxy composite material. <i>Journal of Materials Research and Technology</i> , 2020, 9, 7427-7433.	5.8	17
51	Overview of Anion Exchange Membranes Based on Ring Opening Metathesis Polymerization (ROMP). <i>Polymer Reviews</i> , 2021, 61, 689-713.	10.9	16
52	Excellent selectivity and high capacity of As (V) removal by a novel lignin-based adsorbent doped with N element and modified with Ca ²⁺ . <i>International Journal of Biological Macromolecules</i> , 2021, 172, 299-308.	7.5	16
53	Removing Pb ²⁺ and As(V) from polluted water by highly reusable Fe-Mg metal-organic complex adsorbent. <i>Powder Technology</i> , 2021, 383, 104-114.	4.2	15
54	Attitudes and perceptions of outpatients towards adoption of telemedicine in healthcare during COVID-19 pandemic. <i>Irish Journal of Medical Science</i> , 2022, 191, 1505-1512.	1.5	15

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55	A UV-shielding and hydrophobic graphitic carbon nitride nanosheets/cellulose nanofibril (gCNNS/CNF) transparent coating on wood surface for weathering resistance. <i>Progress in Organic Coatings</i> , 2021, 159, 106440.	3.9	14
56	A Visible Light Driven Photoelectrochemical Chloramphenicol Aptasensor Based on a Gold Nanoparticle-Functionalized 3D Flower-like MoS ₂ /TiO ₂ Heterostructure. <i>Langmuir</i> , 2022, 38, 2276-2286.	3.5	14
57	Evaluation and comparison of stress distribution in restored cervical lesions of mandibular premolars: Three-dimensional finite element analysis. <i>Journal of International Society of Preventive and Community Dentistry</i> , 2019, 9, 605.	1.0	13
58	Microwave hydrothermal fabrication of CuFeCr ternary layered double hydroxides with excellent Cr(VI) adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127279.	4.7	12
59	Enhancing the mechanical properties of jute fiber reinforced green composites varying cashew nut shell liquid composition and using mercerizing process. <i>Materials Today: Proceedings</i> , 2019, 19, 434-439.	1.8	11
60	Impacts of chain extenders on thermal property, degradation, and rheological performance of poly(butylene adipate-co-terephthalate). <i>Journal of Materials Research</i> , 2021, 36, 3134-3144.	2.6	11
61	Gold/titania Nanorod Assembled Urchin-like Photocatalysts with an Enhanced Hydrogen Generation by Photocatalytic Biomass Reforming. <i>Engineered Science</i> , 2021, , .	2.3	10
62	Synthesis, characterization and properties of poly(butanediol sebacate- <i>butanediol terephthalate</i>) (PBSeT) copolyesters using glycerol as cross-linking agent. <i>Materials Today Communications</i> , 2021, 28, 102557.	1.9	9
63	Engineering and clinical use of artificial intelligence (AI) with machine learning and data science advancements: radiology leading the way for future. <i>Therapeutic Advances in Urology</i> , 2021, 13, 175628722110448.	2.0	9
64	Mechanical property evaluation of alkali-treated jute fiber reinforced bio-epoxy composite materials. <i>Materials Today: Proceedings</i> , 2020, 28, 2116-2120.	1.8	9
65	Are Technology-Driven Mobile Phone Applications (Apps) the New Currency for Digital Stent Registries and Patient Communication: Prospective Outcomes Using Urostentz App. <i>Advances in Urology</i> , 2021, 1-7.	1.3	8
66	Big Data Analytics in urology: the story so far and the road ahead. <i>Therapeutic Advances in Urology</i> , 2021, 13, 175628722199813.	2.0	8
67	Synergistic effect of carboxymethylcellulose and <i>Cryptococcus laurentii</i> on suppressing green mould of postharvest grapefruit and its mechanism. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 253-262.	7.5	8
68	Soap-free styrene-acrylic/carbon nanotubes composite latex by in situ emulsion polymerization: Preparation, properties and characterizations. <i>Surfaces and Interfaces</i> , 2021, 25, 101204.	3.0	8
69	Significant improvement on selectivity and capacity of glycine-modified FeCo-layered double hydroxides in the removal of As (V) from polluted water. <i>Chemosphere</i> , 2021, 281, 130943.	8.2	8
70	Use of artificial intelligence-based computer vision system to practice social distancing in hospitals to prevent transmission of COVID-19. <i>Indian Journal of Community Medicine</i> , 2020, 45, 379.	0.4	8
71	Role of Deep Learning in Prostate Cancer Management: Past, Present and Future Based on a Comprehensive Literature Review. <i>Journal of Clinical Medicine</i> , 2022, 11, 3575.	2.4	8
72	Use of ureteric stent related mobile phone application (UROSTENTZ App) in COVID-19 for improving patient communication and safety: a prospective pilot study from a university hospital. <i>Central European Journal of Urology</i> , 2021, 74, 51-56.	0.3	7

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73	Reinforcing and toughening blends of recycled acrylonitrile-butadiene-styrene/recycled high-impact polystyrene through ionic crosslinking. <i>Surfaces and Interfaces</i> , 2022, 28, 101607.	3.0	7
74	Failure analysis of governor in diesel engine using Shainin System. <i>Engineering Failure Analysis</i> , 2019, 101, 456-463.	4.0	6
75	Application of finite element analysis to evaluate optimal parameters for bone/tooth drilling to avoid thermal necrosis. <i>Cogent Engineering</i> , 2021, 8, .	2.2	6
76	Improved methane production from anaerobic organic wastewater treatment by nitrogen-doped carbon. <i>Carbon</i> , 2021, 177, 151-159.	10.3	6
77	Multi response parametric optimisation in machining of marine application based GFRP composite with HSS drill: Application of TOPSIS approach. <i>Materials Today: Proceedings</i> , 2020, 28, 2077-2083.	1.8	6
78	Numerical three-dimensional finite element modeling of cavity shape and optimal material selection by analysis of stress distribution on class V cavities of mandibular premolars. <i>Journal of International Society of Preventive and Community Dentistry</i> , 2020, 10, 279.	1.0	6
79	Mechanical modelling and simulation of thrust force in drilling process in GFRP composite laminates: A novel system dynamics approach. <i>Cogent Engineering</i> , 2019, 6, .	2.2	5
80	Biomechanical Behavior of Bioactive Material in Dental Implant: A Three-Dimensional Finite Element Analysis. <i>Scientific World Journal</i> , The, 2020, 2020, 1-9.	2.1	5
81	Machine learning in coronary heart disease prediction: Structural equation modelling approach. <i>Cogent Engineering</i> , 2020, 7, 1723198.	2.2	5
82	Contemporary application of artificial intelligence in prostate cancer: an i-TRUE study. <i>Therapeutic Advances in Urology</i> , 2021, 13, 175628722098664.	2.0	5
83	Cold en bloc excision (CEBE) of bladder tumours using Zedd excision scissors: a prospective, pilot, safety and feasibility study. <i>Therapeutic Advances in Urology</i> , 2020, 12, 175628722097223.	2.0	4
84	The history and evolution of 'webinars' and their role in urology: the modern way of training, education and communication. <i>Central European Journal of Urology</i> , 2021, 74, 128-130.	0.3	4
85	A Comparative Study on Determination of Pulp/Tooth Area Ratio Using MIMICS [®] and ADOBE PHOTOSHOP CS [®] for Estimation of Age by Cameriere's Method. <i>World Journal of Dentistry</i> , 2018, 9, 418-422.	0.3	4
86	Telemedicine and Telehealth in Urology—What Do the Patients' Think About It?. <i>Frontiers in Surgery</i> , 2022, 9, 863576.	1.4	4
87	Preparation of Bi/BiOBr sensitized titania nanorod arrays via a one-pot solvothermal method and construction of kanamycin photoelectrochemical aptasensors. <i>Dalton Transactions</i> , 2022, 51, 8279-8289.	3.3	4
88	A Study on Chicken Feather Filled Hybrid Glass Fiber - Polymer Composite. <i>Materials Science Forum</i> , 0, 904, 151-154.	0.3	3
89	Current state of artificial intelligence applications in ophthalmology and their potential to influence clinical practice. <i>Cogent Engineering</i> , 2021, 8, 1920707.	2.2	3
90	Experimental Analysis of Mechanical Properties of the Unconventional Sand-Plastic Bricks Using Statistical Method. <i>Journal of Engineering Science and Technology Review</i> , 2020, 13, 13-16.	0.4	3

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91	Professional roles of female urologists: A webinar-based survey of perceptions and obstacles to career development. <i>Archivio Italiano Di Urologia Andrologia</i> , 2021, 93, 455-459.	0.8	3
92	Rheological non-isothermal mechanistic investigation on the curing of glycidyl azide polymer with solid nanofillers. <i>Reactive and Functional Polymers</i> , 2021, 158, 104796.	4.1	2
93	Effect of Splitters in Recirculation Channels on Performance of Turbocharger Compressors Used in Gasoline Engines- A CFD Study. <i>International Journal of Automotive and Mechanical Engineering</i> , 2019, 16, 6214-6229.	0.9	2
94	Electric Propulsion for Fixed Wing Aircrafts – A Review on Classifications, Designs, and Challenges. <i>Engineered Science</i> , 2021, , .	2.3	2
95	Treatment of Nonmuscle Invasive Bladder Cancer Using a Novel Zedd Scissors. <i>Videourology (New)</i> Tj ETQq1 1 0.784314 rgBT /Overlock	0.1	1
96	Application of deep learning convolutional neural network in prediction of stone location, skin to stone distance and composition in renal lithiasis: A single center pilot study. <i>European Urology</i> , 2021, 79, S336.	1.9	1
97	Design and Development of Novel Semi Active Eddy Current Damper for Aerospace Applications. <i>International Journal of Innovative Technology and Exploring Engineering</i> , 2019, 8, 1589-1592.	0.3	1
98	Simulation of Contact Bouncing Behavior in Starter Solenoid and Exploring Potential Feasible Solution. <i>Applied Mechanics and Materials</i> , 0, 367, 204-208.	0.2	0
99	DEVELOPMENT OF A SCORECARD TO MEASURE THE SATISFACTION AND HAPPINESS IN HIGHER EDUCATION. <i>International Journal of Business Information Systems</i> , 2021, 1, 1.	0.2	0
100	Dynamic Force Modelling and Experimental Analysis of Reaming. <i>Engineered Science</i> , 2021, , .	2.3	0
101	Use of ureteric stent related mobile phone application UROSTENTZ App (free of cost) in COVID-19 for improving patient communication and safety: A prospective pilot study from a university hospital. <i>European Urology</i> , 2021, 79, S1250.	1.9	0
102	DURABILITY OF HYGRO-IMMERSION AGED CELLULOSE FIBRE REINFORCED POLYMER LAYERED SILICATE NANOCOMPOSITES. <i>IIUM Engineering Journal</i> , 2021, 22, 259-268.	0.8	0
103	FACTORS INFLUENCING ONLINE PURCHASE DECISIONS OF PHARMA PRODUCTS BY BABY BOOMERS: MEDIATING EFFECT OF CONSUMER BEHAVIOUR AND ATTITUDE ON TRUST DEVELOPMENT. <i>International Journal of Business Information Systems</i> , 2021, 1, 1.	0.2	0
104	The Effect of Cyclo-Alkane Additives in Waste Cooking Oil B20 Fuel on a Single Cylinder DI Diesel Engine. <i>International Journal of Materials Mechanics and Manufacturing</i> , 2015, 3, 44-48.	0.2	0
105	Static Analysis and Fatigue Life Prediction of Composite Leaf Springs of Automotive Suspension System. <i>International Journal of Recent Technology and Engineering</i> , 2019, 8, 5147-5150.	0.2	0
106	Design and Analysis of Split Fixture for Gear Hobbing Machine. <i>MATEC Web of Conferences</i> , 2018, 144, 01014.	0.2	0
107	Frontiers of Advanced Sciences and Technologies: Results, Challenges and Perspectives. <i>Engineered Science</i> , 2021, , .	2.3	0