

Nithesh Naik

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7351413/publications.pdf>

Version: 2024-02-01

107
papers

3,681
citations

136950

32
h-index

149698

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	Magnetoresistive and piezoresistive 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

#	ARTICLE	IF	CITATIONS
19	Dendritic core-shell copper-nickel alloy@metal oxide for efficient non-enzymatic glucose detection. Sensors and Actuators B: Chemical, 2021, 337, 129687.	7.8	62
20	Metal organic framework-derived C-doped ZnO/TiO ₂ nanocomposite catalysts for enhanced photodegradation of Rhodamine B. Journal of Colloid and Interface Science, 2021, 599, 566-576.	9.4	55
21	Overview of renewable polysaccharide-based composites for biodegradable food packaging applications. Green Chemistry, 2022, 24, 480-492.	9.0	51
22	The recent progress of synergistic supramolecular polymers: preparation, properties and applications. Chemical Communications, 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. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 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). ACS Applied Nano Materials, 2022, 5, 8755-8766.	5.0	43
25	Artificial Intelligence and Its Impact on Urological Diseases and Management: A Comprehensive Review of the Literature. Journal of Clinical Medicine, 2021, 10, 1864.	2.4	42
26	The role of data science in healthcare advancements: applications, benefits, and future prospects. Irish Journal of Medical Science, 2022, 191, 1473-1483.	1.5	42
27	Carbon foams derived from emulsion-templated porous polymeric composites for electromagnetic interference shielding. Carbon, 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. Journal of Materials Chemistry C, 2021, 9, 2752-2762.	5.5	41
29	AZ91 alloy nanocomposites reinforced with Mg-coated graphene: Phases distribution, interfacial microstructure, and property analysis. Journal of Alloys and Compounds, 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. Particuology, 2023, 74, 141-155.	3.6	40
31	Hierarchical ZnO/MXene composites and their photocatalytic performances. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 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. Journal of Materials Science and Technology, 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. Composites Part B: Engineering, 2021, 222, 109039.	12.0	35
34	COVID 2019 outbreak: The disappointment in Indian teachers. Asian Journal of Psychiatry, 2020, 50, 102047.	2.0	34
35	Interfacial polymerized copolymers of aniline and phenylenediamine with tunable magnetoresistance and negative permittivity. Materials Today Physics, 2021, 21, 100502.	6.0	34
36	Artificial neural network for gender determination using mandibular morphometric parameters: A comparative retrospective study. Cogent Engineering, 2020, 7, 1723783.	2.2	33

#	ARTICLE	IF	CITATIONS
37	Corrosion Behavior of a Nickel-Free High-Nitrogen Stainless Steel with Hydrogen Charging. Jom, 2021, 73, 1165-1172.	1.9	31
38	Flower-like Hydroxyfluoride-Sensing Platform toward NO ₂ Detection. ACS Applied Materials & Interfaces, 2021, 13, 26278-26287.	8.0	30
39	Polyaniline facilitated curing of phthalonitrile resin with enhanced processibility and mechanical property. Polymer, 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. Cogent Engineering, 2020, 7, 1796198.	2.2	25
41	Antifungal effect of seven essential oils on bamboo. Advanced Composites and Hybrid Materials, 2021, 4, 552-561.	21.1	24
42	An overview of high-performance phthalonitrile resins: fabrication and electronic applications. Journal of Materials Chemistry C, 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. Journal of Alloys and Compounds, 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. Urology, 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. Journal of Membrane Science, 2021, 624, 119118.	8.2	21
46	Dopamine-modified aramid fibers reinforced epoxidized natural rubber nanocomposites. Composites Communications, 2022, 29, 100996.	6.3	21
47	The Ascent of Artificial Intelligence in Endourology: a Systematic Review Over the Last 2 Decades. Current Urology Reports, 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. Separation and Purification Technology, 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. Journal of Endourology, 2021, 35, 1307-1313.	2.1	18
50	Delamination assessment in drilling basalt/carbon fiber reinforced epoxy composite material. Journal of Materials Research and Technology, 2020, 9, 7427-7433.	5.8	17
51	Overview of Anion Exchange Membranes Based on Ring Opening Metathesis Polymerization (ROMP). Polymer Reviews, 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⁺ . International Journal of Biological Macromolecules, 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. Powder Technology, 2021, 383, 104-114.	4.2	15
54	Attitudes and perceptions of outpatients towards adoption of telemedicine in healthcare during COVID-19 pandemic. Irish Journal of Medical Science, 2022, 191, 1505-1512.	1.5	15

#	ARTICLE	IF	CITATIONS
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

#	ARTICLE	IF	CITATIONS
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

#	ARTICLE	IF	CITATIONS
91	Professional roles of female urologists: A webinar-based survey of perceptions and obstacles to career development. Archivio Italiano Di Urologia Andrologia, 2021, 93, 455-459.	0.8	3
92	Rheological non-isothermal mechanistic investigation on the curing of glycidyl azide polymer with solid nanofillers. Reactive and Functional Polymers, 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. International Journal of Automotive and Mechanical Engineering, 2019, 16, 6214-6229.	0.9	2
94	Electric Propulsion for Fixed Wing Aircrafts – A Review on Classifications, Designs, and Challenges. Engineered Science, 2021, , .	2.3	2
95	Treatment of Nonmuscle Invasive Bladder Cancer Using a Novel Zedd Scissors. Videourology (New) 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. European Urology, 2021, 79, S336.	1.9	1
97	Design and Development of Novel Semi Active Eddy Current Damper for Aerospace Applications. International Journal of Innovative Technology and Exploring Engineering, 2019, 8, 1589-1592.	0.3	1
98	Simulation of Contact Bouncing Behavior in Starter Solenoid and Exploring Potential Feasible Solution. Applied Mechanics and Materials, 0, 367, 204-208.	0.2	0
99	DEVELOPMENT OF A SCORECARD TO MEASURE THE SATISFACTION AND HAPPINESS IN HIGHER EDUCATION. International Journal of Business Information Systems, 2021, 1, 1.	0.2	0
100	Dynamic Force Modelling and Experimental Analysis of Reaming. Engineered Science, 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. European Urology, 2021, 79, S1250.	1.9	0
102	DURABILITY OF HYGRO-IMMERSION AGED CELLULOSE FIBRE REINFORCED POLYMER LAYERED SILICATE NANOCOMPOSITES. IIUM Engineering Journal, 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. International Journal of Business Information Systems, 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. International Journal of Materials Mechanics and Manufacturing, 2015, 3, 44-48.	0.2	0
105	Static Analysis and Fatigue Life Prediction of Composite Leaf Springs of Automotive Suspension System. International Journal of Recent Technology and Engineering, 2019, 8, 5147-5150.	0.2	0
106	Design and Analysis of Split Fixture for Gear Hobbing Machine. MATEC Web of Conferences, 2018, 144, 01014.	0.2	0
107	Frontiers of Advanced Sciences and Technologies: Results, Challenges and Perspectives. Engineered Science, 2021, , .	2.3	0