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3.4.5 : Bibliometrics of the Publications during the year 2023-2024 based on Average citation index in Scopus

S. No.	Authors	Title	Year	Source title	Volume	Art. No.	Cited by
1.	Sathiyaraj G.; Akilesh M.; Vignesh A.; Naveen Kumar K.; Gopinath S.; Mohanapriya S.; Malecki J.M.; Kadirvelu K.; Shankar R.; Dharmaraj N.	Benzothiazole-based Schiff base for sensing Ca ²⁺ ions: Synthesis, DFT studies, toxicity evaluation in zebrafish embryo and in silico analysis of MMP-9 inhibition	2025	Journal of Photochemistry and Photobiology A: Chemistry	458	115985	0
2.	Kumar C.U.; Krishnan K.G.; Balachandran S.; Pillai M.V.; Pandiaraj S.; Alibrahim K.A.; Alodhayb A.N.; Kumar A.S.K.	Characterization of a new pyran derivative: Synthesis, structure, and DFT analysis	2025	Journal of Molecular Structure	1325	140961	0
3.	Nagaveni A.; Anusuya M.; Santhanaraj D.; Gunasekaran S.G.; Gitanjali J.; Thangabalu S.; Krishnaveni K.; Jayanthi E.; Rajakumar K.	Tecoma stans intermediated green synthesis of copper oxide nanoparticles, their characterization, paracetamol degradation and biological activities	2024	Inorganic Chemistry Communications	170	113503	0
4.	Arunachalam S.; Siranjeevi R.; Pillai M.V.; Murphy M.	Evaluation of Ruthenium Oxide Nanoparticles as Photocatalysts: Efficiency in Organic Dye Degradation and Environmental Impact Studies	2024	Environmental Quality Management	34	e22358	0
5.	Vignesh A.; Amal T.C.; Sarvalingam A.; Vasanth K.	A review on the influence of nutraceuticals and functional foods on health	2024	Food Chemistry Advances	5	100749	5
6.	Anusuya M.; Nagaveni A.; Jayanthi E.; Leelavathi H.; Yogeswari B.; Poonkodi K.; Vimaladevi K.; Prabhu V.; Velayutham Pillai M.	Green-synthesized flattened rice-shaped CuO and metal doped CuO nanoparticles using Bauhinia racemosa Lam. leaves extract and their photocatalytic and biological applications	2024	Inorganic Chemistry Communications	162	112289	9



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7.	Mariappan A.; Harikrishnan L.; Eswaran J.; Arumugham N.; Balasubramaniam Y.; Daniel S.; Kanthapazham R.	Green Synthesis of Metal-Doped ZnO Nanoparticles Using Bauhinia racemosa Lam. Extract and Evaluation of Their Photocatalysis and Biomedical Applications	2024	ACS Applied Bio Materials	7		4
8.	Indumathy R.; Kamatchi T.S.; Kalaiaarasi G.	Bioactive compounds derived from marine sources for cancer therapy and chemoprevention	2024	Bioactive Compounds from Medicinal Plants for Cancer Therapy and Chemoprevention			0
9.	Vignesh A.; Amal T.C.; Sivalingam R.; Selvakumar S.; Vasanth K.	Unraveling the impact of nanopollution on plant metabolism and ecosystem dynamics	2024	Plant Physiology and Biochemistry	210	108598	3
10	Kalaivani A.; Karpagavalli S.	Advanced domain adaptation for skin disease segmentation and classification using bootstrapping of fine-tuned deep learner	2024	Multimedia Tools and Applications	83		2
11	Tamil Thendral K.; Amutha M.; Ragunathan R.	Versatile biopolymer-functionalized copper cobalt oxide nanocomposite (Ch/CuCo ₂ O ₄): Synthesis and applications in antibacterial, anticancer, and photocatalysis	2024	Ceramics International	50		3
12	Santhanalakshmi K.; Neelakandeswari N.; Thandapani G.; Mohanapriya N.; Vinoth M.	Synthesis and characterization of Nickel Aluminate-innovative a green path with solid acid catalyst for solvent free acylation reaction	2024	2024 3rd International Conference on Smart Technologies and Systems for Next Generation Computing, ICSTSN 2024			0
13	Subramaniam L.K.; Marimuthu R.	Crop yield prediction using effective deep learning and dimensionality reduction approaches for Indian regional crops	2024	e-Prime - Advances in Electrical Engineering, Electronics and Energy	8	100611	5



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14	Kaleeswari S.; Buvanasankari M.	Qualitative Behavior of Third Order Delay Difference Equations	2024	International Journal of Computational and Experimental Science and Engineering	10		0
15	Vignesh A.; Amal T.C.; Sivalingam R.; Selvakumar S.; Vasanth K.	Influence of ecological factors on the phytochemical composition and bioactivity of Berberis tinctoria Lesch. wild edible fruits	2024	Biochemical Systematics and Ecology	112	104771	3
16	Chitra V.; Maheswari B.	Picture Fuzzy Set with Disaster Management & Decision Making by Measures	2024	Communications on Applied Nonlinear Analysis	31		0
17	Kaleeswari S.; Gowri J.	Qualitative Behavior Of Second Order Difference Equation with Non Positive Neutral Term	2024	Communications on Applied Nonlinear Analysis	31		0
18	Vignesh A.; Amal T.C.; Vasanth K.	Food contaminants: Impact of food processing, challenges and mitigation strategies for food security	2024	Food Research International	191	114739	2
19	Ravi A.; Annamalai P.; Sankar V.; Achutharaman K.R.; Valdes H.; SaravanaVadivu A.; MuthaiahPillai V.; Alharbi S.A.	Sustainable synthesis, superior performance: Nanoflower-like α -Bi ₂ O ₃ from solvent-free solid state for photocatalytic crystal violet degradation	2024	Journal of the Taiwan Institute of Chemical Engineers	157	105413	9
20	Kaleeswari S.; Rangasri S.	Oscillatory and Property Conditions for Third Order Difference Equation with Negative Middle-Term	2024	Communications on Applied Nonlinear Analysis	31		0
21	Aruchsamy R.; Velusamy I.; Dhandapani P.B.; Radwan T.	Einstein Aggregation Operator Technique in Circular Fermatean Fuzzy Environment for MCDM	2024	Symmetry	16	1243	0
22	Aruchsamy R.; Velusamy I.; Dhandapani P.B.; Nasiru S.; Chesneau C.	Modern Approach in Pattern Recognition Using Circular Fermatean Fuzzy Similarity Measure for Decision Making with Practical Applications	2024	Journal of Mathematics	2024	6503747	2



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23	Kaleeswari S.; Graef J.R.; Grace S.R.	OSCILLATION OF THIRD ORDER DIFFERENCE EQUATIONS WITH BOUNDED AND UNBOUNDED NEUTRAL COEFFICIENTS	2024	Acta Mathematica Universitatis Comenianae	93		0
24	Sanker R.T.; Arunachalam S.; Raju S.; Velayutham Pillai M.; Kumaresan R.	A Quantum Chemical Investigation on Structural, Spectroscopic and Nonlinear Optical properties of an Organic Molecule Serotonin	2024	International Research Journal of Multidisciplinary Technovation	6		0
25	Revathy A.; Inthumathi V.; Krishnaprakash S.; Anandakumar H.; Arifmohammed K.M.	The Characteristics of Circular Fermatean Fuzzy Sets and Multicriteria Decision-Making Based on the Fermatean Fuzzy t-Norm and t-Conorm	2024	Applied Computational Intelligence and Soft Computing	2024	6974363	6
26	Smarandache F.; Inthumathi V.; Amsaveni M.	Hypersoft Sets in a Game Theory-Based Decision Making Model	2024	International Journal of Neutrosophic Science	24		2
27	Priyadharsini S.; Kungumaraj E.; Santhi R.	An Evaluation of Triangular Neutrosophic PERT Analysis for Real-Life Project Time and Cost Estimation	2024	Neutrosophic Sets and Systems	63		3
28	Tamil Thendral K.; Amutha M.; Ragunathan R.; Saranya K.	Development of manganese cobalt oxide (MnCo2O4) nanoparticle as multifunctional agents for antibacterial, anticancer and dye degradation applications	2024	Inorganic Chemistry Communications	168	112854	1
29	Leelavathi K.S.; Rajasenathipathi M.	A Novel Crop Yield Prediction Using Deep Learning and Dimensionality Reduction	2024	International Research Journal of Multidisciplinary Scope	5		0
30	Raj A.S.A.; Kumarasankaralingam L.; Balamurugan M.; Maheswari B.; Gowri J.; Dutta A.	Forecasting the Economic Crisis of Sri Lanka: Application of Machine Learning Algorithms for Time Series Data	2024	Procedia Computer Science	235		0



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31	Kalaivani A.; Karpagavalli S.; Gulati K.	Expert Automated System for Prediction of Multi-Type Dermatology Sicknesses Using Deep Neural Network Feature Extraction Approach	2023	International Journal of Intelligent Systems and Applications in Engineering	11		3
32	Vasanthapriya R.; Neelakandeswari N.; Uthayarani K.; Chitra M.	Effect of pH on the morphology of TiO ₂ nanostructures	2023	Digest Journal of Nanomaterials and Biostructures	18		2
33	Grace S.R.; Graef J.R.; Kaleeswari S.	New Criteria on the Oscillatory Behaviour of Second Order Nonlinear Differential Equations with Mixed Neutral Terms	2023	Tatra Mountains Mathematical Publications			0
34	Mini R.; Prabhu V.; Poonkodi K.; Vimaladevi K.; Anusuya M.; Vasuki M.	Bio synthesis, characterization of ZnO nanoparticles from Scoparia dulcis L. plant extract and its in-vitro antioxidant, acetylcholinesterase activity	2023	Plant Science Today	10		1
35	Gowrani T.; Anitha N.; Dhanalakshmi M.; Aishwarya S.; Mary A.S.; Jenifer F.F.; Shree B.N.; Singh G.; Al-Hashem A.; Rajendran S.	Electrochemical studies on the corrosion resistance of Gold 18K and Thermo active alloy in artificial sweat in presence of sodium chloride; [Elektrohemijske studije otpornosti na koroziju zlata 18k i termoaktivne legure u veštačkom znoju u prisustvu natrijum hlorida]	2023	Materials Protection	64		1
36	Habeeba K.; Manjulavalli T.E.; Ezhilarasi Gnanakumari D.V.; Kannan A.G.; Rajendrakumar R.T.; Muthumalai K.	Exploration and study on the influence of Zinc substituted Barium Stannate (BaSnO ₃) nano powders for ammonia sensing applications	2023	Materials Today: Proceedings			4
37	Ananda Kumar A.M.; Rathika D.; Rakkimuthu R.; Sathishkumar P.	Floristic Diversity and Ethnobotanical Studies of Nandha Gopalasamy Hill Temple Sacred Grove of Western Ghats, Pollachi Taluk, Coimbatore	2023	Agricultural Science Digest	43	D-5475	1
38	Kaleeswari S.; Rangasri S.	Third order non-linear difference equation with neutral term	2023	E3S Web of Conferences	376	1109	0



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39	Gladju J.; Kanagaraj A.; Kamalam B.S.	Use of data mining to establish associations between Indian marine fish catch and environmental data	2023	Archives of Biological Sciences	75		0
40	Angayarkanni G.; Hemalatha S.	Evaluating the Performance of Supervised Machine Learning Algorithms for Predicting Multiple Diseases: A Comparative Study	2023	2023 9th International Conference on Advanced Computing and Communication Systems, ICACCS 2023			5
41	Vignesh A.; Amal T.C.; Kalaiyarasan J.; Selvakumar S.; Vasanth K.	An effective bio-inspired synthesis of palladium nanoparticles using Crateva religiosa G.Forst. leaf extract: a multi-functional approach for environmental and biomedical applications	2023	Biomass Conversion and Biorefinery			8
42	Hebciba Mary S.A.D.; Kavipriya K.; Vadivelan S.; Ratthika A.; Vidhya T.; Jerleensindhuja A.; Anitha N.; Srinivasan R.; Rajendran S.; Gowrani T.	Influence of dilution and addition of soda water on the corrosion resistance of orthodontic wires immersed in artificial saliva in presence of Copper Barrel, a hard drink; [Utica] razblaživanja i dodavanja soda vode na otpornost na koroziju ortodontskih žica potopljenih u veštačku pljuvačku u prisustvu Copper Barrel-a, žestokog pića]	2023	Materials Protection	64		0
43	Sathiyaraj G.; Vignesh A.; Priyanka K.; Neethu K.S.; Badhmapriya D.; Preethi K.; Dharmaraj N.; Kaveri M.V.	Construction of 3-amino-9-ethylcarbazole scaffold for multifunctional applications: Chemosensor for copper(II) ions along with antibacterial, antioxidant and anti-inflammatory activity	2023	Results in Chemistry	6	101141	4
44	Sudha D.; Uthayarani K.; Neelakandeswari N.; Jeyadheepan K.; Chitra M.	Synthesis, characterisation and ethanol sensing applications of MoO ₃ – MoO ₂ nanostructures at room temperature	2023	Digest Journal of Nanomaterials and Biostructures	18		0



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45	Senthilrajkapoor P.; Kalaarasi G.; Indumathy R.; Dharani S.; Lynch V.M.; Sathyaraj G.	Cobalt (II), Nickel (II) and Palladium (II) complexes appended terpyridine-based ligand: Synthesis, spectral characterization, anticancer activity and apoptosis investigation	2023	Applied Organometallic Chemistry	37	e7201	3
46	Revathy A.; Inthumathi V.; Krishnaprakash S.; Kishorekumar M.	Fermatean Fuzzy Normalised Bonferroni Mean Operator in Multi Criteria Decision Making on Selection of Electric Bike	2023	2023 5th International Conference on Electrical, Computer and Communication Technologies, ICECCT 2023			5
47	Shanmugapriya A.; Sangeetha Devi A.; Kalaivani A.; Suganyadevi K.	Intelligent Fuel Pump System with RFID and the Internet of Things	2023	Proceedings of the 1st IEEE International Conference on Networking and Communications 2023, ICNWC 2023			2
48	Velmurugan R.; Jegadeeswari S.; Manikandan R.; Hemalatha T.M.; Amutha K.	Determinants of MSMEs entrepreneurs sustainability	2023	E3S Web of Conferences	449	5007	0
49	Rakkimuthu R.; Sowmiya D.; Ananthi P.; Sathishkumar P.; Ananda Kumar A.M.	Chemical profiling of fern Cheilosoria mysorensis (Wall. ex Hook.) Ching & Shing and its biological activity	2023	Plant Science Today	10		2
50	Ezhilarasi Gnanakumari D.V.; Manjulavalli T.E.; Habeeba K.; Kannan A.G.; Ayyasamy S.; Gopinath G.	Synergistic impact of cationic surfactants on the performance of ZTO for supercapacitor applications	2023	Materials Today: Proceedings			0



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51	Mini R.; Prabhu V.; Poonkodi K.; Vimaladevi K.; Revathi K.	GREEN SYNTHESIS OF SILVER NANOPARTICLES FROM <i>Scoparia dulcis</i> L. PLANT EXTRACT AND ITS In-vitro ACETYLCHOLINESTERASE, ANTIOXIDANT ACTIVITY	2023	Rasayan Journal of Chemistry	16		2
52	Gobinath E.; Dhatchinamoorthy M.; Saran P.; Vishnu D.; Indumathy R.; Kalaierasi G.	Synthesis and characterization of NiO nanoparticles using <i>Sesbania grandiflora</i> flower to evaluate cytotoxicity	2023	Results in Chemistry	6	101043	12
53	R V.; N N.; K U.; M C.	Parthenium hysterophorous flower template assisted SnO ₂ nanostructure as photoanode for dye sensitized solar cell	2023	Chemical Physics Impact	7	100308	1
54	Sankudevan P.; Sakthivel R.V.; Poonkodi K.; Ramalingam G.; Raghupathi C.; Alam M.M.; Rangasamy B.	Effects of Different Precursors on Particle Size and Optical-Magnetic Properties of ZnCr ₂ O ₄ Nanoparticles Prepared by Microwave-Assisted Method	2023	Journal of Nanomaterials	2023	2856806	0
55	Tamil Thendral K.; Amutha M.; Ragunathan R.	Design and development of copper cobaltite (CuCo ₂ O ₄) nanoparticle for antibacterial anticancer and photocatalytic activity	2023	Materials Letters	349	134720	8
56	Dharani S.; Nithya V.; Indumathy R.; Kalaierasi G.	Transition Metal Catalyst Free and Single-Step Synthesis of Significant Thiosemicarbazones via Oxidative Coupling Strategy	2023	ChemistrySelect	8	e202302722	1
57	Inthumathi V.; Amsaveni M.; Nathibrami M.	On Hypersoft Semi-open Sets	2023	Neutrosophic Sets and Systems	57		1
58	Santhi R.; Udhayarani N.	Interval-valued intuitionistic fuzzy topological groups: Some properties	2023	Notes on Intuitionistic Fuzzy Sets	29		0



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59	Veerakumaran V.; Rajini A.	AUGMENTED DOLPHIN SWARM OPTIMIZATION-BASED SECURED GAUSSIAN AD-HOC ON-DEMAND DISTANCE VECTOR (ADSO-SGAODV) ROUTING FOR QUALITY OF SERVICE ENHANCEMENT IN MOBILITY-ENABLED WIRELESS SENSOR NETWORK	2023	Journal of Theoretical and Applied Information Technology	101		0
60	Janarthanan J.; Shelladhurai R.	On Some Applications of Neutrosophic Soft Matrices in Decision Making	2023	AIP Conference Proceedings	2718	30004	0
61	Grace S.R.; Kaleeswari S.	OSCILLATION OF EVEN-ORDER NONLINEAR DIFFERENCE EQUATIONS WITH AN ADVANCED ARGUMENT	2023	Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis	30		2
62	Veerakumaran V.; Rajini A.	Performance Enhancement of Mobility-Enabled Wireless Sensor Network Using Sophisticated Eagle Search Optimization-Based Gaussian Ad Hoc On-Demand Distance Vector (SESO-GAODV) Routing Protocol	2023	International Journal of Computer Networks and Applications	10		0




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