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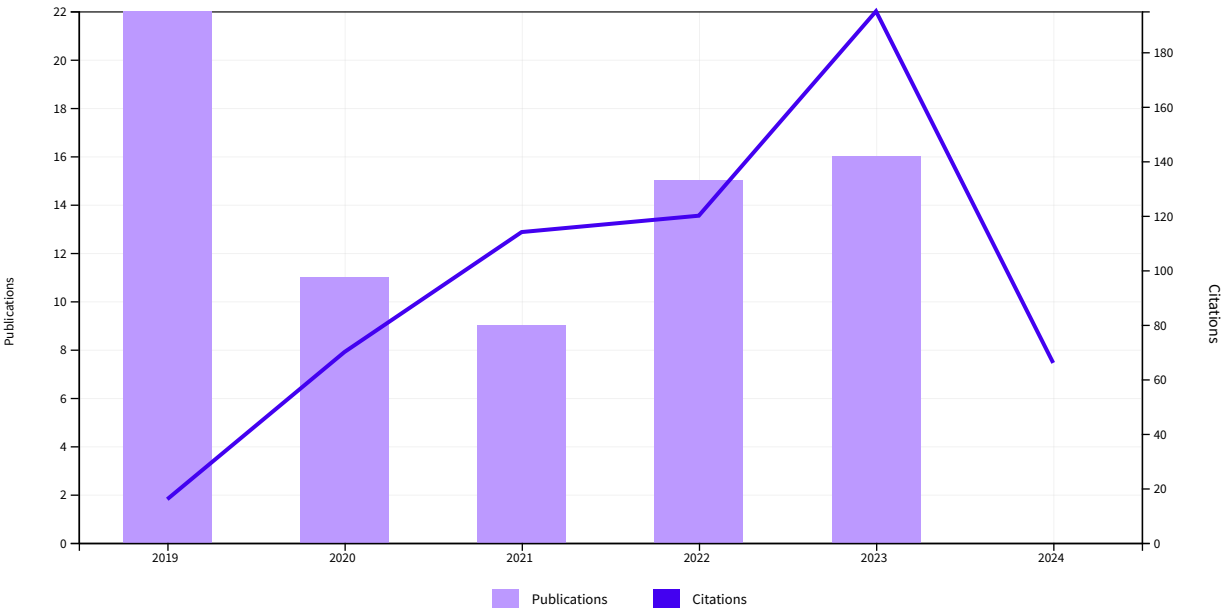
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73 Publications		Sort by: Citations: highest first ▾		< 1 of 2 >		Citations						
						< Previous year Next year >					Average per year	Total
						2020	2021	2022	2023	2024		
Total						70	114	120	195	66	96.83	581
⊖ 1 Synthesis and characterization of biopolymer electrolyte based on tamarind seed polysaccharide, lithium perchlorate and ethylene carbonate for electrochemical applications						19	22	15	18	3	13.83	83

	Sampathkumar, L; Selvin, PC; (...); Muthukrishnan, M Mar 2019 IONICS 25 (3) , pp.1067-1082							
⊖ 2	Study on Mg-ion conducting solid biopolymer electrolytes based on tamarind seed polysaccharide for magnesium ion batteries Perumal, P; Abhilash, KP; (...); Selvin, PC Oct 2019 MATERIALS RESEARCH BULLETIN 118	7	6	6	13	2	6	36
⊖ 3	Plasticizer incorporated, novel eco-friendly bio-polymer based solid bio-membrane for electrochemical clean energy applications Perumal, P; Selvin, PC; (...); Devi, RM Jan 2019 POLYMER DEGRADATION AND STABILITY 159 , pp.43-53	6	11	5	9	1	5.83	35
⊖ 4	Applications of data mining and machine learning framework in aquaculture and fisheries: A review Gladju, J; Kamalam, BS and Kanagaraj, A Dec 2022 SMART AGRICULTURAL TECHNOLOGY 2	0	0	2	17	10	9.67	29
⊖ 5	Band gap engineering in ZnO based nanocomposites Chitra, M; Mangamma, G; (...); Girija, EK May 2020 PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES 119	1	4	7	9	4	5	25
⊖ 6	Lithium ion conducting membrane based on K-carrageenan complexed with lithium bromide and its electrochemical applications Mary, JA; Selvanayagam, S; (...); Moniha, V Dec 2019 IONICS 25 (12) , pp.5839-5855	5	6	4	7	3	4.17	25
⊖ 7	Plasticized solid polymer electrolyte based on triblock copolymer poly(vinylidene chloride-co-acrylonitrile-co-methyl methacrylate) for magnesium ion batteries Ponraj, T; Ramalingam, A; (...); Manjuladevi, R Jan 2021 POLYMER BULLETIN 78 (1) , pp.35-57 Enriched Cited References	2	3	9	10	0	4.8	24
		0	4	7	8	4	4.6	23

8	Lithium ion conducting biopolymer membrane based on K-carrageenan with LiNO₃ Mary, JA; Selvanayagam, S; (...); Ponraj, T Sep 2020 IONICS 26 (9) , pp.4311-4326							
9	Structural and Electrical Properties of Bio-polymer Pectin with LiClO₄ Solid Electrolytes for Lithium Ion Polymer Batteries Perumal, P; Selvin, PC; (...); Sivaraj, P International Conference on Materials for Energy and Envirment (ICMEE) 2019 MATERIALS TODAY-PROCEEDINGS 8 , pp.196-202	3	3	10	5	2	3.83	23
10	Nickel ferrite-based composites and its photocatalytic application-A review Arumugham, N; Mariappan, A; (...); Kathirvel, P Nov 2022 JOURNAL OF HAZARDOUS MATERIALS ADVANCES 8	0	0	0	15	7	7.33	22
11	Performance Enhancement of PVDF/LiClO₄ Based Nanocomposite Solid Polymer Electrolytes <i>via</i> Incorporation of Li_{0.5}La_{0.5}TiO₃ Nano Filler for All-Solid-State Batteries Sivaraj, P; Abhilash, KP; (...); Selvin, PC Jul 2020 MACROMOLECULAR RESEARCH 28 (8) , pp.739-750	2	4	7	7	2	4.4	22
12	Impact of lithium triflate (LiCF₃SO₃) salt on tamarind seed polysaccharide-based natural solid polymer electrolyte for application in electrochemical device Kumar, LS; Selvin, PC and Selvasekarapandian, S Apr 2021 POLYMER BULLETIN 78 (4) , pp.1797-1819	0	3	6	7	3	3.8	19
13	Reinforced photocatalytic reduction of SnO₂ nanoparticle by La incorporation for efficient photodegradation under visible light irradiation Jayapandi, S; Premkumar, S; (...); Anitha, K May 2019 JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS 30 (9) , pp.8479-8492	6	1	5	4	2	3.17	19

⊖ 14	Impact of lithium chlorate salts on structural and electrical properties of natural polymer electrolytes for all solid state lithium polymer batteries Perumal, P; Selvasekarapandian, S; (...); Selvin, PC Jan 2019 VACUUM 159 , pp.277-281	4	4	4	3	2	3.17	19
⊖ 15	Insight into cations substitution on structural and electrochemical properties of nanostructured $\text{Li}_2\text{FeSiO}_4/\text{C}$ cathodes Sivaraj, P; Abhilash, KP; (...); Yadav, SK Mar 2020 JOURNAL OF THE AMERICAN CERAMIC SOCIETY 103 (3) , pp.1685-1697	2	9	2	5	0	3	18
⊖ 16	Green synthesized spinel lithium titanate nano anode material using Aloe Vera extract for potential application to lithium ion batteries Perumal, P; Sivaraj, P; (...); Selvin, PC Sep 2020 JOURNAL OF SCIENCE-ADVANCED MATERIALS AND DEVICES 5 (3) , pp.346-353	0	4	5	6	2	3.4	17
⊖ 17	Free-standing, high Li-ion conducting hybrid PAN/PVdF/$\text{LiClO}_4/\text{Li}_{0.5}\text{La}_{0.5}\text{TiO}_3$ nanocomposite solid polymer electrolytes for all-solid-state batteries Sivaraj, P; Abhilash, KP; (...); Selvin, PC Mar 2021 JOURNAL OF SOLID STATE ELECTROCHEMISTRY 25 (3) , pp.905-917 Enriched Cited References	0	5	2	6	2	3	15
⊖ 18	Prediction Clue on the Fading Capacity of Multi-Walled Carbon Nanotube-Decorated $\text{Li}_2(\text{Fe}_{1-x}\text{Ti}_x)\text{SiO}_4/\text{C}$ High-Performance Cathode Materials Pazhaniswamy, S; Parameswaran, AK; (...); Panneerselvam, CS May 6 2021 ENERGY & FUELS 35 (9) , pp.8321-8333	0	2	4	4	2	3	12
⊖ 19	Mg-ion conducting triblock copolymer electrolyte based on poly(VdCl-co-AN-co-MMA) with magnesium nitrate Ponraj, I; Ramalingam, A; (...); Manjuladevi, R Feb 2020 IONICS 26 (2) , pp.789-800	0	2	4	4	0	1.67	10
		1	3	2	1	0	1.5	9

⊖ 20	Structure, dielectric, and temperature-dependent conductivity studies of the $\text{Li}_2\text{FeSiO}_4/\text{C}$ nano cathode material for lithium-ion batteries Sivaraj, P; Abhilash, KP; (...); Selvin, PC May 2019 IONICS 25 (5) , pp.2041-2056							
⊖ 21	Mg-ion conducting electrolytes based on chitosan biopolymer host for the rechargeable Mg batteries Helen, PA; Perumal, P; (...); Selvin, PC National Conference on Material Science 2022 MATERIALS TODAY-PROCEEDINGS 50 , pp.2668-2670	0	1	2	4	1	2.67	8
⊖ 22	Investigations on The Effect Of Sm^{3+} Doping on The Electrochemical Performance of The $\text{Li}_2\text{FeSiO}_4/\text{C}$ Nanocomposite Cathode Material for Lithium Ion Batteries Sivaraj, P; Abhilash, KP; (...); Nalini, B International Conference on Materials for Energy and Envirment (ICMEE) 2019 MATERIALS TODAY-PROCEEDINGS 8 , pp.346-351	1	5	1	1	0	1.33	8
⊖ 23	Essential Oil Composition and Biological Activities of <i>Aegle marmelos</i> (L.) Correa Grown in Western Ghats Region-South India Poonkodi, K; Vimaladevi, K; (...); Gayathri, N Jul 4 2019 JOURNAL OF ESSENTIAL OIL BEARING PLANTS 22 (4) , pp.1013-1021	2	1	2	2	0	1.17	7
⊖ 24	Tamarind seed polysaccharide biopolymer-assisted synthesis of spinel zinc iron oxide as a promising alternate anode material for lithium-ion batteries Perumal, P; Kiruthika, T; (...); Selvin, PC Jul 2020 JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS 31 (13) , pp.10593-10604	1	1	2	2	0	1.2	6
⊖ 25	Activity concentration of polonium-210 and lead-210 in tobacco products and annual committed effective dose to tobacco users in Tiruchirappalli District (Tamil Nadu, India) Christobher, S; Periyasamy, M; (...); Hameed, PS Mar 2020 JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY 323 (3) , pp.1425-1429	3	1	0	2	0	1	6
⊖ 26	Lanthanide ion induced phase decomposition of tetragonal CaWO_4 Somasundaram, K; Rastogi, CK; (...); Sudarsan, V	2	3	0	1	0	1	6

⊖ 27 Highly crystalline perovskite BaSnO₃ nanopowder synthesised using hydrothermal technique Habeeba, K; Manjulavalli, TE; (...); Karthikadevi, V Sep 2019 MATERIALS RESEARCH EXPRESS 6 (9)	0	1	0	4	0	0.83	5
⊖ 28 Synthesis and luminescence properties of Na plus , Li plus compensated Er³⁺-doped CaAl₄O₇ phosphors Kumar, AS; Kumar, RA and Vijayakumar, R Sep 2022 JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS 33 (27) , pp.21297-21310 Enriched Cited References	0	0	0	4	0	1.33	4
⊖ 29 Corporate social reporting-Shareholder perception and its determinants Talha, M; Christopher, SB and Jaganathan, K Nov 2020 CORPORATE SOCIAL RESPONSIBILITY AND ENVIRONMENTAL MANAGEMENT 27 (6) , pp.3034-3046 Enriched Cited References	0	1	0	2	1	0.8	4
⊖ 30 Chemical Profiling of <i>Momordica charantia</i> L. Seed Essential Oil and Its Antimicrobial Activity Ramalingam, R; Palanisamy, S; (...); Rajasekaran, N Mar 3 2020 JOURNAL OF ESSENTIAL OIL BEARING PLANTS 23 (2) , pp.390-396	0	0	1	1	2	0.8	4
⊖ 31 Ruthenium(III) and (II) complexes containing pyridine moiety: Synthesis, crystal structure and <i>in vitro</i> biological evaluation Eswaran, J; Mariappan, A; (...); Kanthapazham, R Dec 15 2022 JOURNAL OF MOLECULAR STRUCTURE 1270	0	0	0	2	1	1	3
⊖ 32 A correlative study on electrochemical and optical properties of LLZO (Li₇La₃Zr₂O₁₂) garnet electrolyte Ajith, K; Selvin, PC; (...); Soundarya, GG National Conference on Material Science 2022 MATERIALS TODAY-PROCEEDINGS 50 , pp.2836-2839	0	0	0	2	1	1	3

⊖ 33 Surface Modification and Electrochemical Performance of Al₂O₃ Coated and Ni-Doped Spinel LiMn₂O₄ for Aqueous Rechargeable Battery Applications Pavithra, S; Sivaraj, P; (...); Sivakumar, N Jul 2020 SURFACE ENGINEERING AND APPLIED ELECTROCHEMISTRY 56 (4) , pp.432-439 Enriched Cited References	0	1	1	0	1	0.6	3
⊖ 34 Study of Interplanetary CMEs/Shocks During Solar Cycle 24 Using Drag-Based Model: The Role of Solar Wind Suresh, K; Subramanian, SP; (...); Umapathy, S Apr 2019 SOLAR PHYSICS 294 (4)	0	2	1	0	0	0.5	3
⊖ 35 Visible light proven Si doped TiO₂ Nanocatalyst for the Photodegradation of Organic dye Arul, AR; Manjulavalli, TE and Venckatesh, R International Conference on Advanced Materials for Technological Applications (ICAM) 2019 MATERIALS TODAY-PROCEEDINGS 18 , pp.1760-1769	1	0	1	1	0	0.5	3
⊖ 36 Design and development of copper cobaltite (CuCo₂O₄) nanoparticle for antibacterial anticancer and photocatalytic activity Thendral, KT; Amutha, M and Ragunathan, R Oct 15 2023 MATERIALS LETTERS 349 Enriched Cited References	0	0	0	1	1	1	2
⊖ 37 Chemical profiling of fern <i>Cheilosoria mysurensis</i> (Wall. ex Hook.) Ching & Shing and its biological activity Rakkimuthu, R; Sowmiya, D; (...); Kumar, AMA 2023 PLANT SCIENCE TODAY 10 (1) , pp.91-95	0	0	0	1	1	1	2
⊖ 38 Synthesis, spectral characterization, protein binding and cytotoxic evaluation of new cobalt(II) and cobalt(III) complexes containing benzimidazolylterpyridine as ligand Indumathy, R; Senthilrajkapoor, P; (...); Uma, V Dec 17 2022 JOURNAL OF COORDINATION CHEMISTRY 75 (19-24) , pp.2858-2876 Enriched Cited References	0	0	0	1	1	0.67	2

Adaptive weight butterfly optimization algorithm (AWBOA) based cluster head selection (CHS) and optimized energy efficient cluster based scheduling (OEECS) approach in wireless sensor networks (WSNS) ⊖ 39 Rajesh, BM; Thanamani, AS; (...); LindaSherin, A Jul 2022 (Early Access) INTERNATIONAL JOURNAL OF SYSTEM ASSURANCE ENGINEERING AND MANAGEMENT Enriched Cited References	0	0	0	1	1	0.67	2
Chemical Composition of Essential Oil of <i>Cananga odorata</i> (Lam.) Hook. F. & Thomson Leaves and Its Biological Activities ⊖ 40 Vimaladevi, K; Selladurai, M; (...); Manojkumar, B May 4 2021 JOURNAL OF ESSENTIAL OIL BEARING PLANTS 24 (3) , pp.596-602	0	0	0	2	0	0.5	2
Preparation and characterization of pulsed electrodeposited cobalt-graphene nanocomposite coatings ⊖ 41 Raveen, R; Yoganandh, J; (...); Neelakandeswari, N Dec 2019 PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L- JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS 233 (12) , pp.2469-2477 Enriched Cited References	1	0	0	0	1	0.33	2
Construction of 3-amino-9-ethylcarbazole scaffold for multifunctional applications: Chemosensor for copper(II) ions along with antibacterial, antioxidant and anti-inflammatory activity ⊖ 42 Sathiyaraj, G; Vignesh, A; (...); Kaveri, MV Dec 2023 RESULTS IN CHEMISTRY 6 Enriched Cited References	0	0	0	1	0	0.5	1
Parthenium hysterophorous flower template assisted SnO₂ nanostructure as photoanode for dye sensitized solar cell ⊖ 43 Vasanthapriya, R; Neelakandeswari, N; (...); Chitra, M Dec 2023 CHEMICAL PHYSICS IMPACT 7 Enriched Cited References	0	0	0	0	1	0.5	1
	0	0	0	0	1	0.5	1

44	Cobalt (II), Nickel (II) and Palladium (II) complexes appended terpyridine-based ligand: Synthesis, spectral characterization, anticancer activity and apoptosis investigation <u>Senthilraj Kapoor, P.; Kalaiarasi, G. (...); Sathiyaraj, G</u> Sep 2023 <u>APPLIED ORGANOMETALLIC CHEMISTRY</u> 37 (9) Enriched Cited References							
45	Synthesis and characterization of NiO nanoparticles using Sesbania grandiflora flower to evaluate cytotoxicity <u>Gobinath, E; Dhatchinamoorthy, M; (...); Kalaiarasi, G</u> Dec 2023 <u>RESULTS IN CHEMISTRY</u> 6	0	0	0	1	0	0.5	1
46	Effect of pH on the morphology of TiO₂ nanostructures <u>Vasanthapriya, R; Neelakandeswari, N; (...); Chitra, M</u> Apr-jun 2023 <u>DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES</u> 18 (2) , pp.767-771 Enriched Cited References	0	0	0	0	1	0.5	1
47	A Critical Review on Electrochemical Properties and Significance of Orthosilicate-Based Cathode Materials for Rechargeable Li/Na/Mg Batteries and Hybrid Supercapacitors <u>Sivaraj, P; Abhilash, KP and Selvin, PC</u> Nov 22 2021 <u>CHEMISTRYSELECT</u> 6 (43) , pp.12036-12073	0	0	1	0	0	0.25	1
48	A study on the Cu-poor and Zn-poor CZTS nanoparticles and its influence on the photoconversion efficiency of non-toxic ZnO buffer layer solar cell <u>Kannan, AG; Manjulavalli, TE; (...); GnanaKumari, DVE</u> International E-Conference on Advancements in Materials Science and Technology (ICAM) 2021 <u>MATERIALS TODAY-PROCEEDINGS</u> 47 , pp.1128-1132	0	0	1	0	0	0.25	1
49	Effect of biological template on the performance of SnO₂ dye sensitized solar cell <u>Vasanthapriya, R; Neelakandeswari, N; (...); Chitra, M</u> <u>CHALCOGENIDE LETTERS</u>	0	0	1	0	0	0.25	1

