

Sl. No.	Authors	Title	Journal Abbreviation	Volume	Issue	Page start	Page end
1	Elango-A, Periasamy-M, Paramasivam-M	Study on polyaniline-ZnO used as corrosion inhibitors of 57S aluminium in 2M NaOH solution	Anti-Corros. Meth. Mater.	56	5	266	270
2	Parthiban-GT, Palaniswamy-N, Sivan-V	Effect of manganese addition on anode characteristics of electrolytic magnesium	Anti-Corros. Meth. Mater.	56	2	79	83
3	Sheela Berchmans, Arunkumar-P, Lalitha-S, Yeganaraman-V, Bera-S	Preparation of catalytic films of platinum on Au substrates modified by self-assembled PAMAM dendrimer monolayers	Appl. Catal. B	88	3-4	557	563
4	Aravindan-V, Vickraman-P, Sivashanmugam-A, Thirunakaran-R, Gopukumar-S	LiFAP-based PVdF-HFP microporous membranes by phase-inversion technique with Li/LiFePO ₄ cell	Appl. Phys. A	97	4	811	819
5	Gangulibabu, Bhuvanewari-D, Kalaiselvi-N	Feasibility studies on newly identified LiCrP ₂ O ₇ compound for lithium insertion behavior	Appl. Phys. A	96	2	489	493
6	Eashwar-M, Subramanian-G, Palanichamy-S, Rajagopal-G, Madhu-S, Kamaraj-P	Cathodic behaviour of stainless steel in coastal Indian seawater: calcareous deposits overwhelm biofilm	Biofouling	25	3	191	201
7	Salome-JP, Amutha-R, Jagannathan-P, Josiah-JJM, Sheela Berchmans, Yegnanaraman-V	Electrochemical assay of the nitrate and nitrite reductase activities of Rhizobium japonicum.	Biosens. Bioelectron.	24	12	3487	3491
8	Doh-CH, Kim-DH, Lee-JH, Lee-DJ, Jin-BS, Kim-HS, Moon-SI, Hwang-Y, Veluchamy-A	Thermal Behavior of Li _x CoO ₂ Cathode and Disruption of Solid Electrolyte Interphase Film	Bull. Kor. Electrochem. Soc.	30	4	783	786
9	Sahu-AK, Pitchumani-S, Sridhar-P, Shukla-AK	Nafion and modified-Nafion membranes for polymer electrolyte fuel cells: An overview	Bull. Mater. Sci.	32	3	285	294
10	Annick Goursot, Tzonka Mineva, Sailaja Krishnamurthy, Dennis R. Salahub	Structural analysis of phosphatidyl choline lipids and glycerol precursors	Can. J. Chem.	87	10	1261	1267
11	Sahu-AK, Nishanth-KG, Selvarani-G, Sridhar-P, Pitchumani-S, Shukla-AK	Polymer electrolyte fuel cells employing electrodes with gas-diffusion layers of mesoporous carbon derived from a sol-gel route	Carbon	47	1	102	108
12	Harish S, Mathiyarasu J, Phani K, Yegnanaraman-V	Synthesis of Conducting Polymer Supported Pd Nanoparticles in Aqueous Medium and Catalytic Activity Towards 4-Nitrophenol Reduction	Cat. Lett.	128	1-2	197	202

13	Sri Devi Kumari-T, Kannan-R, Prem Kumar-T	Synthesis of LiMn ₂ O ₄ from a gelled ovalbumin matrix	Ceram. Int.	35	4	1565	1568
14	Madhana Kumar-KS, John Berchmans-L	Combustion synthesis of Ca _{1-x} Cu _x Al ₂ O ₄ (x = 0.0, 0.4 and 0.8) copper doped calcium aluminate	Ceram. Int.	35	3	1277	1280
15	Murali-KR, Thirumoorthy-P	Photoelectrochemical Properties of CdS _x Te _{1-x} Films	Chalc. Lett.	6	8	377	384
16	Murali-KR, Ramanathan-P	Characteristics of slurry coated lead selenide films	Chalc. Lett.	6	3	91	95
17	Murali-KR, Manoharan-C, Dhanapandiyam-S	Photoelectrochemical properties of pulse electrodeposited cadmium selenide films	Chalc. Lett.	6	1	57	61
18	Murali-KR, Dhanapandiyam-S, Manoharan-C	Pulse electrodeposited zinc selenide films and their characteristics	Chalc. Lett.	6	1	51	56
19	Murali-KR, Austine-A	Deposition of Cd-x Zn _{1-x} Se films by brush electrodeposition and their characteristics	Chalc. Lett.	6	1	23	28
20	Murali-KR, Kumaresan-S	Characteristics of brush plated ZNS films	Chalc. Lett.	6	1	17	22
21	Murali-KR, Jayasuthaa-B	Photoelectrochemical characteristics of brush electrodeposited Cd _{0.5} Te _{0.5} thin films	Chalc. Lett.	6	1	1	8
22	Ahmed Basha-C, Chithra-E, Sripriyalakshmi-NK	Electro-degradation and biological oxidation of non-biodegradable organic contaminants	Chem. Eng. J.	149	1-3	25	34
23	Ahmed Basha-C, Sathish Shankar-MS, Boovaragavan-V, Pullabhotla-SR	Computation of Current Distributions using FEMLAB	Chem. Eng. Technol.	32	4	659	672
24	Chandrasekara Pillai-K, Chung-SJ, Raju-T, Moon-IS	Experimental aspects of combined NO _x and SO ₂ removal from flue-gas mixture in an integrated wet scrubber-electrochemical cell system	Chemosphere	76	5	657	664
25	Soloman-PA, Ahmed Basha-C, Velan-M, Ramamurthi-V, Koteswaran-K, Balasubramanian-N	Electrochemical Degradation of Remazol Black B Dye Effluent	Clean	37	11	889	900

26	Vasudevan-S, Lakshmi-J, Sozhan-G	Studies on a Mg-Al-Zn Alloy as an Anode for the Removal of Fluoride from Drinking Water in an Electrocoagulation Process	Clean	37	4-5	372	378
27	Vasudevan-S, Lakshmi-J, Sozhan-G	Studies on the Removal of Iron from Drinking Water by Electrocoagulation - A Clean Process	Clean	37	1	45	51
28	Song-HW; Saraswathy-V, Muralidharan-S, Lee-CH, Thangavel-K	Corrosion performance of steel in composite concrete system admixed with chloride and various alkaline nitrites	Corros. Eng. Sci. Technol.	44	6	408	415
29	Vedalakshmi-R, RajaGopalan-K, Palaniswamy-N	Determination of migration efficiency of amino alcohol based migrating corrosion inhibitor through concrete	Corros. Eng. Sci. Technol.	44	1	20	31
30	Vedalakshmi-R, Manoharan-SP, Song-HW	Application of harmonic analysis in measuring the corrosion rate of rebar in concrete	Corros. Sci.	51	11	2777	2789
31	Rajasekaran-N; Mohan-S	Preparation, corrosion and structural properties of Cu-Ni multilayers from sulphate/citrate bath	Corros. Sci.	51	9	2139	2143
32	Vedalakshmi-R, Saraswathy-V, Song-HW, Palaniswamy-N	Determination of diffusion coefficient of chloride in concrete using Warburg diffusion coefficient	Corros. Sci.	51	6	1299	1307
33	Saravanan-G, Mohan-S	Corrosion behavior of Cr electrodeposited from Cr(VI) and Cr(III)-baths using direct (DCD) and pulse electrodeposition (PED) techniques	Corros. Sci.	51	1	197	202
34	Ashok-K, Subramanian-B, Kuppusami-P, Jayachandran-M	Effect of substrate temperature on structural and materials properties of zirconium nitride films on D9 steel substrates	Cryst. Res. Technol.	44	5	511	516
35	Anandkumar-B, Rajasekar-A, Venkatachari-G, Maruthamuthu-S	Effect of thermophilic sulphate-reducing bacteria <i>Desulfotomaculum geothermicum</i>) isolated from Indian petroleum refinery on the corrosion of mild steel	Curr. Sci.	97	3	342	348
36	Prem Kumar-T, Sherwood-D, Bosco Emmanuel, Sankaranarayanan-K	Crystal shape determination in thin films and studies on the substrate influence on the crystal shape in CBD-CdS thin films	Digest J. Nanomater. Biostruct.	4	4	813	817
37	Balaji-R; Kannan-BS, Lakshmi-J, Senthil-N, Vasudevan-S, Sozhan-G, Shukla-AK, Ravichandran-S	An alternative approach to selective sea water oxidation for hydrogen production	Electrochem. Comm.	11	8	1700	1702
38	Radhakrishnan-S, Prakash-S, Rao-CRK, Vijayan-M	Organically Soluble Bifunctional Polyaniline-Magnetite Composites for Sensing and Supercapacitor Applications	Electrochem. Solid State Lett.	12	4	A84	A87

39	Prakash-S, Rao-CRK, Vijayan-M	Polyaniline-polyelectrolyte-gold(0) ternary nanocomposites: Synthesis and electrochemical properties	Electrochim. Acta	54	24	5919	5927
40	Lee-KM, Suryanarayanan-V, Huang-JH, Justin Thomas-KR, Lin-JT, Ho-KC	Enhancing the performance of dye-sensitized solar cells based on an organic dye by incorporating TiO ₂ nanotube in a TiO ₂ nanoparticle film	Electrochim. Acta	54	16	4123	4130
41	Harish-S, Sridharan-D, Senthil Kumar-S, James Joseph, Phani-KLN	Barrier films to control loss of 9,10-anthraquinone-2-sulphonate dopant from PEDOT films during electrochemical transitions	Electrochim. Acta	54	13	3618	3622
42	Raju-T	A sustainable mediated electrochemical process for the abatement of NO _x from simulated flue gas by using Ag(I)/Ag(II) redox mediators	Electrochim. Acta	54	12	3467	3472
43	Minakshi-M, David Mitchell-RG, Carter-ML, Appadoo-D, Kalaiselvi-N	Microstructural and spectroscopic investigations into the effect of CeO ₂ additions on the performance of a MnO ₂ aqueous rechargeable battery	Electrochim. Acta	54	12	3244	3249
44	Zaheena-CN, Nithya-C, Thirunakaran-R, Sivashanmugam-A, Gopukumar S	Microwave assisted synthesis and electrochemical behaviour of LiMg _{0.1} Co _{0.9} O ₂ for lithium rechargeable batteries	Electrochim. Acta	54	10	2877	2882
45	Raju-M, Ananth-MV, Vijayaraghavan-L	Electrochemical properties of MmNi _{3.03} Si _{0.85} Co _{0.60} Mn _{0.31} Al _{0.08} hydrogen storage alloys in alkaline electrolytes—A cyclic voltammetric study at different temperatures	Electrochim. Acta	54	4	1368	1374
46	Mohanapriya-S, Bhat-SD, Sahu-AK, Pitchumani-S, Sridhar-P, Shukla-AK	A new mixed-matrix membrane for DMFCs	Energy & Env. Sci.	2	11	1210	1216
47	Choudhury- NA, Sampath-S, Shukla-AK	Hydrogel-polymer electrolytes for electrochemical capacitors: an overview	Energy Environ. Sci.	2	1	55	67
48	Asokan-K, Subramanian-K	Copper electrowinning using noble metal oxide coated titanium - based bipolar electrodes	Energy Technol. Persp.			201	212
49	Karthikeyan-R, Kumar-KS, Murugesan-M, Sheela Berchmans, Yegnaraman-V	Bioelectrocatalysis of Acetobacter aceti and Gluconobacter roseus for Current Generation	Env. Sci. Technol.	43	22	8684	8689
50	Vickraman-P, Aravindan-V, Srinivasan-T, Jayachandran-M	Polyvinylidene fluoride (PVdF) based novel polymer electrolytes complexed with Mg(ClO ₄) ₂	Eur. Phys. J.: Appl. Phys.	45	1	Art. No. 11101	
51	Ezhil Raj-AM, Resmi-LB, Jothy-VB, Jayachandran-M, Sanjeeviraja-C	Ultrasonic study on binary mixture containing dimethylformamide and methanol over the entire miscibility range (0 < x < 1) at	Fluid Phase Equilibria	281	1	78	86

		temperatures 303-323 K					
52	Sahu-AK, Pitchumani-S, Sridhar-P, Shukla-AK	Co-assembly of a Nafion-Mesoporous Zirconium Phosphate Composite Membrane for PEM Fuel Cells	Fuel Cells	9	2	139	147
53	Ahmed Basha-C, Soloman-PA, Velan-M	Participation of Electrochemical Steps in Treating Tannery Wastewater	Ind. Eng. Chem. Res.	48	22	9786	9796
54	Ezhil Raj-AM, Jayanthi-DD, Jothy-VB, Jayachandran-M, Sanjeeviraja-C	Crystal structure and thermal characterization of cadmium oxalate [CdC ₂ O ₄ center dot 3H(2)O] and barium-doped cadmium oxalate [Ba _{0.5} Cd _{0.5} (C ₂ O ₄)(2) center dot 5H(2)O] single crystals grown in silica gel	Inorg. Chim. Acta	362	5	1535	1540
55	Prabhakaran-D, Kannadasan-T, Ahmed Basha-C	Treatability of resin effluents by electrochemical oxidation using batch recirculation reactor	Int. J. Environ. Sci. Technol.	6	3	491	498
56	Raju-M, Ananth-MV, Vijayaraghavan-L	Rapid charging characterization of MmNi(3.03)Si(0.85)Co(0.60)Mn(0.31)Al(0.08) alloy used as anodes in Ni-MH batteries	Int. J. Hydrogen Energy	34	8	3500	3505
57	Nathira Begum-S, Muralidharan-VS, Ahmed Basha-C	The influences of some additives on electrochemical behaviour of nickel electrodes	Int. J. Hydrogen Energy	34	3	1548	1555
58	Ananth-MV, Giridhar-VV, Renuga-K	Linear sweep voltametry studies on oxygen reduction of some oxides in alkaline electrolytes	Int. J. Hydrogen Energy	34	2	658	664
59	Ananth-MV, Ganesan-M, Renganathan-NG, Lakshmi-S	Influence of rare earth content on electrode kinetics in Misch metal-based AB ₅ MH alloys – Cyclic voltammetric investigations	Int. J. Hydrogen Energy	34	1	356	362
60	John Berchmans-L, Bharathi-B, Amalajothi-K, Subramanian-K	Synthesis of Nanocrystalline Boron Nitride by Combustion Process	Int. J. Self-Prop. High Temp. Synth.	18	1	34	37
61	John Berchmans-L, Devi-MPI, Amalajothi-K	Novel Combustion Synthesis of La ³⁺ -Substituted MnFe ₂ O ₄	Int. J. Self-Prop. High Temp. Synth.	18	1	11	14
62	Devadoss-V, Ahmed Basha-C, Jayaraman-K	Direct oxidation of dimethylsulphoxide and reduction of maleic acid in methanesulphonic acid medium	Intl. J. Chem. React. Eng.	7		Art. No. A37	
63	Malini-R, Uma-U, Sheela-T, Ganesan-M, Renganathan-NG	Conversion reactions: a new pathway to realise energy in lithium-ion battery-review	Ionics	15	3	301	307

64	Murali-KR, Thirumoorthy-P, Sengodan-V	Pulse plated cadmium telluride films and their characteristics	Ionics	15	2	209	213
65	Karthikeyan-K, Kalpana-D, Renganathan-NG	Synthesis and characterization of ZnCo ₂ O ₄ nanomaterial for symmetric supercapacitor applications	Ionics	15	1	107	110
66	Vatsalarani-J, Kalaiselvi-N, Karthikeyan-R	Effect of mixed cations in synergizing the performance characteristics of PVA-based polymer electrolytes for novel category Zn/AgO polymer batteries-a preliminary study	Ionics	15	1	97	105
67	Azarudeen-RS, Ahamed-MAR Jeyakumar-D, Burkanudeen-AR	An Eco-friendly Synthesis of A Terpolymer Resin: Characterization and Chelation Ion-exchange Property	Iran. Polym. J.	18	10	821	832
68	Srinivasan-KN, John-S	Electroless nickel deposition from methane sulfonate bath	J. Alloys Compd.	486	1-2	447	450
69	Bosco Emmanuel, Thomas-S, Raghuvaran-G, Sherwood-D	Simulated XRD profiles of carbon nanotubes (CNTs): An efficient algorithm and a recurrence relation for characterising CNTs	J. Alloys Compd.	479	1-2	484	488
70	Minakshi-M, Kalaiselvi-N, Mitchell DRG	Electrochemical characterization of an aqueous lithium rechargeable battery: The effect of CeO ₂ additions to the MnO ₂ cathode	J. Alloys Compd.	479	1-2	87	90
71	Raju-M, Ananth-MV, Vijayaraghavan-L	Influence of electroless coatings of Cu, Ni-P and Co-P on MmNi(3.25)Al(0.35)Mn(0.25)Co(0.66) alloy used as anodes in Ni-MH batteries	J. Alloys Compd.	475	1-2	664	671
72	Nathira Begum-S, Muralidharan-VS, Ahmed Basha-C	Electrochemical investigations and characterization of a metal hydride alloy (MmNi _{3.6} Al _{0.4} Co _{0.7} Mn _{0.3}) for nickel metal hydride batteries	J. Alloys Compd.	467	1-2	124	129
73	Kumar-RS, Babu-KF, Noel-M, Anbu Kulandainathan-M	Redox mediated electrochemical method for vat dyeing in ferric-oxalate-gluconate system: process optimization studies	J. Appl. Electrochem.	39	12	2569	2577
74	Rajasekaran-N, Mohan-S	Structure, microstructure and corrosion properties of brush-plated Cu-Ni alloy	J. Appl. Electrochem.	39	10	1911	1916
75	Saravanan-G, Mohan-S	Pulsed electrodeposition of microcrystalline chromium from trivalent Cr-DMF bath	J. Appl. Electrochem.	39	8	1393	1397
76	Babu-KF, Kumar-RS, Anbu Kulandainathan-M,	Ferric-oxalate-gluconate based redox mediated electrochemical system for vat dyeing	J. Appl. Electrochem.	39	7	1025	1031

77	Anandhakumar-S, Sripriya-R, Chandrasekaran-M, Govindu-S, Noel-M	Electrocarboxylation and related radical coupling processes of aryl and benzyl halides in microemulsion	J. Appl. Electrochem.	39	3	463	465
78	Jeyabharathi-C, Mathiyarasu-J, Phani-KLN	Methanol tolerant oxygen-reduction activity of carbon supported platinum-bismuth bimetallic nanoparticles	J. Appl. Electrochem.	39	1	45	53
79	Song-HW, Saraswathy-V, Muralidharan-S Lee-CH, Thangavel-K	Role of alkaline nitrites in the corrosion performance of steel in composite cements	J. Appl. Electrochem.	39	1	15	22
80	Radhakrishnan-S, Rao-CRK, Vijayan-M	Electrochemical synthesis and studies of polypyrroles doped by renewable dopant cardanol azophenylsulfonic acid derived from cashew nutshells	J. Appl. Polym. Sci.	114	5	3125	3131
81	Bhat SD, Manokaran A, Sahu AK, Pitchumani-S, Sridhar-P, Shukla-AK	Novel Self-Supported Natural and Synthetic Polymer Membranes for Air Humidification	J. Appl. Polym. Sci.	113	4	2605	2612
82	Geetha-S, Satheesh Kumar-KK, Rao-CRK, Vijayan-M, Trivedu-DC	EMI Shielding: Methods and Materials-A Review	J. Appl. Polym. Sci.	112	4	2073	2086
83	Bhandari-H, Sathiyaranayan-S, Choudhary-V, Dhawan-SK	Synthesis and Characterization of Processible Polyaniline Derivatives for Corrosion Inhibition	J. Appl. Polym. Sci.	111	5	2328	2339
84	Selvakumar-M, Bhat-DK, Renganathan-NG	Miscibility of Polymethylmethacrylate and Polyethyleneglycol Blends in Tetrahydrofuran	J. Appl. Polym. Sci.	111	1	452	460
85	Sampath-S, Choudhury-NA, Shukla-AK	Hydrogel membrane electrolyte for electrochemical capacitors	J. Chem. Sci.	121	5	727	734
86	Varatharajan-S, Sheela Berchmans, Yegnaraman-V	Tailoring self-assembled monolayers at the electrochemical interface	J. Chem. Sci.	121	5	665	674
87	Choudhury-NA, Prashant-SK, Pitchumani-S, Sridhar-P, Shukla-Ak	Poly (vinyl alcohol) hydrogel membrane as electrolyte for direct borohydride fuel cells	J. Chem. Sci.	121	5	647	654
88	Soloman-PA, Ahmed Basha-C, Velan-M, Balasubramanian-N	Electrochemical degradation of pulp and paper industry waste-water	J. Chem. Technol. Biotechnol.	84	9	1303	1313
89	Chandrasekara Pillai-K, Raju-T, Chung-SJ, Moon-IS.	Removal of H ₂ S using a new Ce(IV) redox mediator by a mediated electrochemical oxidation process	J. Chem. Technol. Biotechnol.	84	3	447	453
90	Suryanarayanan-V, Lee-KM, Chen-JG, Ho-KC	High performance dye-sensitized solar cells containing 1-methyl-3-propyl imidazolium iodide-effect of additives and solvents	J. Electroanal. Chem.	633	1	146	152

91	Ilayaraja-M, Noel-M	A comparative study of anodic fluorination of N-alkyl and N,N-dialkyl phenylacetamides in Et3N center dot 4HF medium	J. Electroanal. Chem.	632	1-2	45	54
92	Manu-R, Sobha Jayakrishnan	Influence of additives and the effect of aging in modifying surface topography of electrodeposited copper	J. Electrochem. Soc.	156	7	D215	D221
93	Sathiyarayanan-S, Jeyaram-R, Muthukrishnan-S, Venkatachari-G	Corrosion Protection Mechanism of Polyaniline Blended Organic Coating on Steel	J. Electrochem. Soc.	156	4	C127	C134
94	Selvarani-G, Maheswari-S, Sridhar-P, Pitchumani-S, Shukla-AK	Carbon-Supported Pt-TiO2 as a Methanol-Tolerant Oxygen-Reduction Catalyst for DMFCs	J. Electrochem. Soc.	156	11	B1354	B1360
95	Selvarani-G, Sahu-AK, Kiruthika-GVM, Sridhar-P, Pitchumani-S, Shukla-AK	PEFC Electrode with Enhanced Three-Phase Contact and Built-In Supercapacitive Behavior	J. Electrochem. Soc.	156	1	B118	B125
96	Rajakumar-S, Thirunakaran-R, Sivashanmugam-A, Yamaki-J, Gopukumar-S	Electrochemical Behavior of LiM0.25Ni0.25Mn1.5O4 as 5 V Cathode Materials for Lithium Rechargeable Batteries	J. Electrochem. Soc.	156	3	A246	A252
97	Gandhi-KS, Shukla-AK, Martha-SK, Gaffoor-SA	Simplified Mathematical Model for Effects of Freezing on the Low-Temperature Performance of the Lead-Acid Battery	J. Electrochem. Soc.	156	3	A238	A245
98	Ramesh Babu-B, Venkatesan-P, Kanimozhi-R, Ahmed Basha-C	Removal of pharmaceuticals from wastewater by electrochemical oxidation using cylindrical flow reactor and optimization of treatment conditions	J. Environ. Sci. Health, Part A	44	10	985	994
99	Ramesh Babu-B, Udaya Bhanu-S, Seeni Meera-K	Waste Minimization in Electroplating Industries: A Review	J. Environ. Sci. Health, Part C	27	3	155	177
100	Ilayaraja-N, Velayutham-D, Noel-M	Prevention of anode fouling during the electrochemical perfluorination of aromatic carboxylic acid chlorides	J. Fluorine Chem.	130	7	656	661
101	Vasudevan-S, Lakshmi-J, Jayaraj-J, Sozhan-G	Remediation of phosphate-contaminated water by electrocoagulation with aluminium, aluminium alloy and mild steel anodes	J. Hazard Mater.	164	2-3	1480	1486
102	Raghu-S, Lee-CW, Chellammal-S, Palanichamy-S, Ahmed Basha-C	Evaluation of electrochemical oxidation techniques for degradation of dye effluents-A comparative approach	J. Hazard. Mater.	171	1-3	748	754
103	Choi-JH, Maruthamuthu-S, Lee-HG, Ha-TH, Bae-JH	Nitrate removal by electro-bioremediation technology in Korean soil	J. Hazard. Mater.	168	2-3	1208	1216
104	Parande-AK, Sivashanmugam-A, Beulah-H, Palaniswamy-N	Performance evaluation of low cost adsorbents in reduction of COD in sugar industrial effluent	J. Hazard. Mater.	168	2-3	800	805

105	Balasubramanian-N, Kojima-T, Ahmed Basha-C	Removal of arsenic from aqueous solution using electrocoagulation	J. Hazard. Mater.	167	1-3	966	969
106	Gomathi Priya-P, Ahmed Basha-C, Ramamurthi-V, Nathira Begum-S	Recovery and reuse of Ni(II) from rinsewater of electroplating industries	J. Hazard. Mater.	163	2-3	899	909
107	Thilakavathi-R, Balasubramanian-N, Ahmed Basha-C	Modeling electrowinning process in an expanded bed electrode	J. Hazard. Mater.	162	1	154	160
108	Ramesh Babu-B, Parande-AK, Rajalakshmi-R, Suriyakala-P, Volga-M	Management of Biomedical Waste in India and Other Countries: A Review	J. Int. Environ. Appl. Sci.	4	1	65	78
109	Sahu-RK, Mukherjee-D, Tiwari-JP, Mishra-T, Roy-SK, Pathak-LC	Influence of foreign Fe ions on wet chemical synthesis of Pt nanoparticle thin films at ambient temperature: in situ versus direct addition	J. Mater. Chem.	19	37	6810	6815
110	Tietz-F, Arul Raj-I, Fu-QX, Zahid-M	Investigation of the quasi-ternary system LaMnO ₃ -LaCoO ₃ -“LaCuO ₃ ”. II: The series LaMn _{0.25-x} Co _{0.75-x} Cu _{2x} O _{3-d} and LaMn _{0.75-x} Co _{0.25-x} Cu _{2x} O _{3-d}	J. Mater. Sci.	44	14	4883	4891
111	Subramanian-B, Ibrahim-MM, Murali-KR, Vidhya-VS, Sanjeeviraja-C, Jayachandran-M	Structural, optoelectronic and electrochemical properties of nickel oxide films	J. Mater. Sci.: Mater. Electron.	20	10	953	957
112	Murali-KR, Thirumoorthy-P, Sengodan-V	Photoelectrochemical behaviour of pulse plated CdS films	J. Mater. Sci.: Mater. Electron.	20	3	206	211
113	Murali-K, Austine-A	Photoelectrochemical properties of brush plated Cd (x) Zn _{1-x} Se films	J. Mater. Sci.: Mater. Electron.	20	1	92	97
114	Bhat-SD, Sahu-AK, George-C, Pitchumani-S, Sridhar-P, Chandrakumar-N, Singh-KK, Krishna-N, Shukla AK	Mordenite-incorporated PVA-PSSA membranes as electrolytes for DMFCs	J. Membr. Sci.	340	1-2	73	83
115	Sahu-AK, Bhat-SD, Pitchumani-S, Sridhar-P, Vimalan-V, George-C, Chandrakumar-N, Shukla-AK	Novel organic-inorganic composite polymer-electrolyte membranes for DMFCs	J. Membr. Sci.	345	1-2	305	314
116	Satyanarayana-MGV, Himabindu-V, Kalpana-Y, Kumar,-MR, Kumar-K	Part 1: In-silico studies as corrosion inhibitor and its experimental investigation on mild steel in wet-lab	J. Mol. Struct. - THEOCHEM	912	1-3	113	118
117	Malathy-V, Sivaranjani-S, Vidhya-VS, Prince-JJ, Balasubramanian-T, Sanjeeviraja-C, Jayachandran-M	Amorphous to crystalline transition and optoelectronic properties of nanocrystalline indium tin oxide (ITO) films sputtered with high rf power at room temperature	J. Non-Cryst. Solids	355	28-30	1508	1516

118	Lee-KM, Suryanarayanan-V, Ho-KC	High efficiency quasi-solid-state dye-sensitized solar cell based on polyvinylidene fluoride-co-hexafluoro propylene containing propylene carbonate and acetonitrile as plasticizers	J. Photochem. Photobiol. A	207	2-3	224	230
119	Manuel Stephan-A, Prem Kumar-T, Anbu Kulandainathan-M, Angu Lakshmi-N	Chitin-Incorporated Poly(ethylene oxide)-Based Nanocomposite Electrolytes for Lithium Batteries	J. Phys. Chem. B	113	7	1963	1971
120	Nithya-C, Thirunakaran-R, Sivashanmugam-A, Kiruthika-GVM, Gopukumar-S	High-Capacity Sol-Gel Synthesis of LiNixCoyMn1-x-yO2 (0 <= x, y <= 0.5) Cathode Material for Use in Lithium Rechargeable Batteries	J. Phys. Chem. C	113	41	17936	17944
121	Arunkumar-P, Sheela Berchmans, Yegnaraman-V	Self-Assembled Monolayers As Nucleating Centers for the Preparation of Multilayers of Catalytically Active Pt Films	J. Phys. Chem. C	113	19	8378	8386
122	Selvarani-G, Selvaganesh-SV, Sailaja Krishnamurthy, Kiruthika-GVM, Sridhar-P, Pitchumani-S, Shukla-AK	A Methanol-Tolerant Carbon-Supported Pt-Au Alloy Cathode Catalyst for Direct Methanol Fuel Cells and Its Evaluation by DFT	J. Phys. Chem. C	113	17	7461	7468
123	De-HS, Sailaja Krishnamurthy, Pal-S	Density Functional Investigation of Relativistic Effects on the Structure and Reactivity of Tetrahedral Gold Clusters	J. Phys. Chem. C	113	17	7101	7106
124	Hariprakash-B, Gaffoor-SA, Shukla-AK	Lead-acid batteries for partial-state-of-charge applications	J. Power Sources	191	1	149	153
125	Kalpana-D, Lee-YS, Sato-Y	New, low-cost, high-power poly(o-anisidine-co-metaniilic acid)/activated carbon electrode for electrochemical supercapacitors	J. Power Sources	190	2	592	595
126	Kalpana-D, Cho-SH, Lee-SB, Lee-YS, Rohit Misra, Renganathan-NG	Recycled waste paper—A new source of raw material for electric double-layer capacitors	J. Power Sources	190	2	587	591
127	Veluchamy-A, Doh-CH, Kim-DH, Lee-JH, Shin-HM, Jin-BS, Kim-HS, Moon-SI	Thermal analysis of LixCoO2 cathode material of lithium ion battery	J. Power Sources	189	1	855	858
128	Lee-KM, Suryanarayanan-V, Ho-KC	Influences of different TiO2 morphologies and solvents on the photovoltaic performance of dye-sensitized solar cells	J. Power Sources	188	2	635	641
129	Veluchamy A, Doh CH, Kim DH, Lee-JH, Lee-DJ, Ha-YH, Shin-HM, Jin-BS, Kim-HS, Moon-SI, Park-CW	Improvement of cycle behaviour of SiO/C anode composite by thermochemically generated Li4SiO4 inert phase for lithium batteries	J. Power Sources	188	2	574	577
130	Thirunakaran-R, Sivashanmugam-A, Gopukumar-S, Rajalakshmi-R	Cerium and zinc: Dual-doped LiMn2O4 spinels as cathode material for use in lithium rechargeable batteries	J. Power Sources	187	2	565	574

131	Senthil Kumar-S, Phani-KLN	Exploration of unalloyed bimetallic Au–Pt/C nanoparticles for oxygen reduction reaction	J. Power Sources	187	1	19	24
132	Boovaragavan-V, Ahmed Basha-C	Optimal time-varying potential profile for electro-hydro-dimerization reactions	J. Process Control	19	2	241	246
133	Gangulibabu, Bhuvanewari-D, Kalaiselvi-N, Jayaprakash-N, Periasamy-P	CAM sol-gel synthesized LiMPO ₄ (M=Co, Ni) cathodes for rechargeable lithium batteries	J. Sol-Gel Sci. Technol.	49	2	137	144
134	Suryanarayanan-V, Noel-M	A comparative evaluation on the anodic behavior of Cu and Ag electrodes in non-aqueous fluoride and fluoroborate media	J. Solid State Electrochem.	13	12	1913	1923
135	Chandrasekar-MS, Shanmugasigamani-S, Malathy Pushpavanam	Properties of Zinc alloy electrodeposits produced from acid and alkaline electrolytes	J. Solid State Electrochem.	13	5	781	789
136	Vasudevan-S	Optimization of the process parameters for an electrochemical preparation of strontium perchlorate	Kor. J. Chem. Eng.	26	5	1246	1251
137	Raju-T, Chung-SJ, Moon-IS	Electrochemical recovery of silver from waste aqueous Ag(I)/Ag(II) redox mediator solution used in mediated electro oxidation process	Kor. J. Chem. Eng.	26	4	1053	1057
138	Chandrasekar-MS, Shanmugasigamani-S, Malathy Pushpavanam	Morphology and tecture of pulse plated zinc-cobalt alloy	Mater. Chem Phys.	115	2-3	603	611
139	Muthukumar-N, Ilangovan-A, Maruthamuthu-S, Palaniswamy-N, Kimura-A	1-Aminoanthraquinone derivatives as a novel corrosion inhibitor for carbon steel API 5L-X60 in white petrol-water mixtures	Mater. Chem. Phys.	115	1	444	452
140	Jisha-MR, Hwang-YJ, Shin-JS, Nahm-KS, Prem Kumar-T, Karthikeyan-K, Dhanikaivelu-N, Kalpana-D, Renganathan-NG, Manuel Stephan-A	Electrochemical characterization of supercapacitors based on carbons derived from coffee shells	Mater. Chem. Phys.	115	1	33	39
141	John Berchmans-L, Leena-V, Amalajothi-K	Preparation of Lanthanum Ferrite Substituted with Mg and Ca	Mater. Manuf. Proc.	24	5	546	549
142	Poongothai-N, Ramachanderen-T, Natesan-M, Murugavel-SC	Corrosion Inhibition of Mild Steel by Essential Oils in an HCl Environment	Mater. Perf.	48	9	52	56
143	Sathiya-M, Prakash-AS, Ramesha-K, Shukla-AK	Rapid synthetic routes to prepare LiNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ as a high voltage, high-capacity Li-ion battery cathode material	Mater. Res. Bull.	44	10	1990	1994

144	Harish-S, Mathiyarasu-J, Phani-KLN	Generation of gold-PEDOT nanostructures at an interface between two immiscible solvents	Mater. Res. Bull.	44	9	1828	1833
145	Ezhil Raj-AM, Ravidhas-C, Ravishankar-R, Rathish Kumar-A, Selvan-G, Jayachandran-M, Sanjeeviraja-C	Optimized deposition and characterization of nanocrystalline magnesium indium oxide thin films for opto-electronic applications	Mater. Res. Bull.	44	5	1051	1057
146	Ramesha-K, Prakash-AS	Synthesis and investigation of magneto-dielectric effect in $A(2)FeMn(0.5)W(0.5)O(6)$ ($A = Ca, Sr, Ba$) double perovskites	Mater. Sci. Eng. B	164	2	124	130
147	Ragavendran-K, Vasudevan-D, Bosco Emmanuel	Electric field induced enhancement in the interfacial charge transfer kinetics of a solid polymer electrolyte	Mater. Sci. Eng. B	156	1-3	94	96
148	Maruthamuthu-S, Dhandapani-P, Ponmariappan-S, Bae-JH, Palaniswamy-N, Rahman-PKSM	Impact of ammonia producing Bacillus sp on corrosion of cupronickel alloy 90:10	Metals Mater.	15	3	409	419
149	Ramamurthi-V, Gomathi Priya-P, Saranya-S, Ahmed Basha-C	Recovery of Nickel (II) ions from Electroplating Rinse Water Using Hectorite Clay	Mod. Appl. Sci.	3	9	37	51
150	Murali-KR, Sivaramamoorthy-K, Kottaisamy-M, Bahadur-SA	Photoconductive studies on electron beam evaporated CdSe films	Phys. B	404	16	2449	2454
151	Ragavendran-K, Sherwood-D, Vasudevan-D, Bosco Emmanuel	On the observation of a huge lattice contraction and crystal habit modifications in $LiMn_2O_4$ prepared by a fuel assisted solution combustion	Phys. B	404	16	2166	2171
152	Ragavendran-K, Sherwood-D, Bosco Emmanuel	Observation of self-regulating response in $Li_xMyMn_{2-y}O_4$ ($M=Mn, Ni$): A study using density functional theory	Phys. B	404	2	248	250
153	Vuorema-A, John-P, Keskitalo-M, Mahon-MF, Anbu Kulandainathan-M, Marken-F	Anthraquinone catalysis in the glucose-driven reduction of indigo to leuco-indigo	Phys. Chem. Chem. Phys.	11	11	1816	1824
154	Subramanian-K, Periasamy-VM, Malathy Pushpavanam, Ramasamy-K	Predictive Modeling of Copper in Electro-deposition of Bronze Using Regression and Neural Networks	Port. Electrochim. Acta	27	1	47	55
155	Divakara-S, Madhu-S, Somashekar-R	Stacking faults and microstructural parameters in non-mulberry silk fibres	Pramana	73	5	927	938
156	Selvaraj-M, Sathianarayanan-S, Muthukrishnan-S, Venkatachari-G	Corrosion protective performance studies of coating systems in soda ash chemical industry	Prog. Org. Coat.	66	3	206	212

157	Sathiyarayanan-S, Maruthan-K, Muthukrishnan-S, Venkatachari-G	High performance polyaniline containing coating system for wet surfaces	Prog. Org. Coat.	66	2	113	117
158	Sathiyarayanan-S, Azim-SS, Venkatachari-G	Corrosion protection of galvanized iron by polyaniline containing wash primer coating	Prog. Org. Coat.	65	1	152	157
159	Kamaraj-K, Sathiyarayanan-S, Muthukrishnan-S, Venkatachari-G	Corrosion protection of iron by benzoate doped polyaniline containing coatings	Prog. Org. Coat.	64	4	460	465
160	Selvaraj-R, Selvaraj-M, Iyer-SVK	Studies on the evaluation of the performance of organic coatings used for the prevention of corrosion of steel rebars in concrete structures	Prog. Org. Coat.	64	4	454	459
161	Kamaraj-K, Sathiyarayanan-S, Venkatachari-G	Electropolymerised polyaniline films on AA 7075 alloy and its corrosion protection performance	Prog. Org. Coat.	64	1	67	73
162	Ezhil Raj-AM, Jothy-VB, Ravidhas-C, Som-T, Jayachandran-M, Sanjeeviraja-C	Effect of embedded lithium nanoclusters on structural, optical and electrical characteristics of MgO thin films	Radiat. Phys. Chem.	78	11	914	921
163	Soloman, PA; Basha, CA; Velan, M; Balasubramanian, N; Marimuthu, P	Augmentation of biodegradability of pulp and paper industry wastewater by electrochemical pre-treatment and optimization by RSM	Sep. Purif. Technol.	69	1	109	117
164	Ha-TH, Choi-JH, Maruthamuthu-S, Lee-HG, Bae-JH	Evaluation of EK System by DC and AC on Removal of Nitrate Complex	Sep. Sci. Technol.	44	10	2269	2283
165	Murali-KR, Jayasuthaa-B	Brush electrodeposited Cd _{0.5} Te _{1-x} thin films and their properties	Solar Energy	83	6	891	895
166	Murali-KR, Thirumoorthy-P, Kannan-C, Sengodan-V	Pulse plated Cd _{0.5} Te _{1-x} films and their properties	Solar Energy	83	1	14	20
167	Vedalakshmi-R, Dollu-H, Palaniswamy-N	Embeddable corrosion rate-measuring sensor for assessing the corrosion risk of steel in concrete structures	Struct. Control Health Monit.	16	4	441	459
168	Mohan-S, Rajasekaran-N	Pulse electrodeposition of tin from sulphate bath	Surf. Eng.	25	8	634	638
169	Mohan-S, Vijayakumar-J, Saravanan-G	Influence of CH ₃ SO ₃ H and AlCl ₃ in direct and pulse current electrodeposition of trivalent chromium	Surf. Eng.	25	8	570	576
170	Sivakumar-R, Shanthakumari-K, Thayumanavan-A, Jayachandran-M, Sanjeeviraja-C	Molybdenum oxide (MoO ₃) thin film based electrochromic cell characterisation in 0.1M LiClO ₄ center dot PC electrolyte	Surf. Eng.	25	7	548	554

171	Subramanian-B, Ashok-K, Subramanian-K, Sastikumar-D, Selvan-G, Jayachandran-M	Evaluation of corrosion and wear resistance titanium nitride (TiN) coated on mild steel (MS) with brush plated nickel interlayer	Surf. Eng.	25	7	490	495
172	Balasubramanian-A, Srikumar-DS, Raja-G, Saravanan-G, Mohan-S	Effect of pulse parameter on pulsed electrodeposition of copper on stainless steel	Surf. Eng.	25	5	389	392
173	Kulangiappar-K, Karthik-G, Anbu Kulandainathan-M	Electrochemical Method for the Preparation of Dibromomethyl, Bis(bromomethyl), and Bis(dibromomethyl) Arenes	Synth. Commun.	39	13	2304	2309
174	Babu-KF, Senthilkumar-R, Noel-M, Anbu Kulandainathan-M	Polypyrrole microstructure deposited by chemical and electrochemical methods on cotton fabrics	Synth. Metals	159	13	1353	1358
175	Ilayaraja-M, Mohan-S, Gnanamuthu-RM, Saravanan-G	Nanocrystalline zinc-nickel alloy deposition using pulse electrodeposition (PED) technique	Trans. Inst. Met. Finish.	87	3	145	148
176	Mohan-S, Ravindran-V, Subramanian-B, Saravanan-G	Electrodeposition of zinc-nickel alloy by pulse plating using non-cyanide bath	Trans. Inst. Met. Finish.	87	2	85	89