LuÃ-sa C Rodrigues

List of Publications by Year
in descending order

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57 papers	1,116 citations	448610 19 h-index	466096 32 g-index

57 all docs	57 docs citations	57 times ranked	1407 citing authors

#	Article	IF	Citations
1	Chitosan/Î²-TCP composites scaffolds coated with silk fibroin: a bone tissue engineering approach. Biomedical Materials (Bristol), 2022, 17, 015003.	1.7	7
2	Surface Functionalization of Ureteral Stents-Based Polyurethane: Engineering Antibacterial Coatings. Materials, 2022, 15, 1676.	1.3	7
3	Metronidazole Delivery Nanosystem Able To Reduce the Pathogenicity of Bacteria in Colorectal Infection. Biomacromolecules, 2022, 23, 2415-2427.	2.6	3
4	Tailoring Natural-Based Oleogels Combining Ethylcellulose and Virgin Coconut Oil. Polymers, 2022, 14, 2473.	2.0	6
5	Physicochemical features assessment of acemannan-based ternary blended films for biomedical purposes. Carbohydrate Polymers, 2021, 257, 117601.	5.1	3
6	Approach on chitosan/virgin coconut oil-based emulsion matrices as a platform to design superabsorbent materials. Carbohydrate Polymers, 2020, 249, 116839.	5.1	9
7	Marine-Derived Polymers in Ionic Liquids: Architectures Development and Biomedical Applications. Marine Drugs, 2020, 18, 346.	2.2	20
8	Fundamentals on biopolymers and global demand. , 2020, , 3-34.		9
9	Acemannan-based films: an improved approach envisioning biomedical applications. Materials Research Express, 2019, 6, 095406.	0.8	10
10	An alternative approach to prepare alginate/acemannan 3D architectures. SN Applied Sciences, 2019, 1, 1.	1.5	7
11	Effect of two different RAFT reactions on grafting MMA from pre-irradiated PP film. Radiation Physics and Chemistry, 2019, 159, 222-230.	1.4	1
12	Engineered tubular structures based on chitosan for tissue engineering applications. Journal of Biomaterials Applications, 2018, 32, 841-852.	1.2	12
13	Effect of sintering pressure on microstructure and mechanical properties of hot-pressed Ti6Al4V-ZrO2 materials. Materials and Design, 2017, 120, 394-403.	3.3	27
14	d-Poly(e-caprolactone) (530)/siloxane biohybrid films doped with protic ionic liquids. Journal of Electroanalytical Chemistry, 2017, 799, 249-256.	1.9	4
15	Diâ€ureasil Hybrid Electrolytes Incorporating a New Proton Ionic Liquid. ChemElectroChem, 2016, 3, 783-789.	1.7	5
16	Light responsive multilayer surfaces with controlled spatial extinction capability. Journal of Materials Chemistry B, 2016, 4, 1398-1404.	2.9	9
17	Di-urethanesil hybrid electrolytes doped with Mg(CF3SO3)2. Ionics, 2014, 20, 29-36.	1.2	1
18	Layerâ€byâ€Layer Assembly of Lightâ€Responsive Polymeric Multilayer Systems. Advanced Functional Materials, 2014, 24, 5624-5648.	7.8	106

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19	Quasi-anhydrous proton conducting di-ureasil hybrid electrolytes incorporating a protic ionic liquid. Electrochimica Acta, 2014, 147, 288-293.	2.6	6
20	Vibrational analysis of d-PCL(530)/siloxane-based hybrid electrolytes doped with two lithium salts. Ionics, 2013, 19, 1803-1809.	1.2	7
21	Microporous membranes of NaY zeolite/poly(vinylidene fluorideâ€“trifluoroethylene) for Li-ion battery separators. Journal of Electroanalytical Chemistry, 2013, 689, 223-232.	1.9	66
22	Study and Characterization of a Novel Polymer Electrolyte Based on Agar Doped with Magnesium Triflate. Molecular Crystals and Liquid Crystals, 2013, 570, 1-11.	0.4	31
23	Electro-optical properties of the DNA-Eu3+ bio-membranes. Journal of Electroanalytical Chemistry, 2013, 708, 116-123.	1.9	15
24	Novel poly(vinylidene fluoride-trifluoroethylene)/poly(ethylene oxide) blends for battery separators in lithium-ion applications. Electrochimica Acta, 2013, 88, 473-476.	2.6	39
25	Gelatin_nZn(CF₃SO₃)₂ Polymer Electrolytes for Electrochromic Devices. Electroanalysis, 2013, 25, 1483-1490.	1.5	22
26	Preparation and Characterization of Hybrid Oxyethylene/Siloxane Electrolyte Systems. Electroanalysis, 2013, 25, 515-522.	1.5	4
27	Investigation of polymer electrolyte based on agar and ionic liquids. EXPRESS Polymer Letters, 2012, 6, 1007-1016.	1.1	77
28	Electroactive Poly(Vinylidene Fluoride-Trifluorethylene) (PVDF-TrFE) Microporous Membranes for Lithium-Ion Battery Applications. Ferroelectrics, 2012, 430, 103-107.	0.3	20
29	Poly (É›-caprolactone)/siloxane biohybrids with application in â€œsmart windowsâ€• Synthetic Metals, 2012, 161, 2682-2687.	2.1	11
30	Characterization of flexible DNA films. Electrochemistry Communications, 2012, 22, 189-192.	2.3	15
31	Synthesis and characterization of amorphous poly(ethylene oxide)/poly(trimethylene carbonate) polymer blend electrolytes. Electrochimica Acta, 2012, 86, 339-345.	2.6	7
32	Structural studies of novel di-ureasil ormolytes doped with lithium hexafluoroantimonate. Solid State Ionics, 2012, 226, 7-14.	1.3	4
33	Novel polymer electrolytes based on gelatin and ionic liquids. Optical Materials, 2012, 35, 187-195.	1.7	51
34	Natural Membranes for Application in Biomedical Devices. Molecular Crystals and Liquid Crystals, 2012, 562, 147-155.	0.4	3
35	Study of electrochromic devices with nanocomposites polymethacrylate hydroxyethylene resin based electrolyte. Polymers for Advanced Technologies, 2012, 23, 791-795.	1.6	15
36	Synthesis and electrochemical characterization of aPEO-based polymer electrolytes. Journal of Solid State Electrochemistry, 2012, 16, 1623-1629.	1.2	3

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37	Effect of degree of porosity on the properties of poly(vinylidene fluorideâ€“trifluorethylene) for Li-ion battery separators. Journal of Membrane Science, 2012, 407-408, 193-201.	4.1	110
38	Photoluminescent polymer electrolyte based on agar and containing europium picrate for electrochemical devices. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 488-493.	1.7	25
39	Effect of the microsctructure and lithium-ion content in poly[(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (fluoride applications. Solid State Ionics, 2012, 217, 19-26.	1.3	29
40	Li⁺- and Eu³⁺-Doped Poly(Îµ-caprolactone)/Siloxane Biohybrid Electrolytes for Electrochromic Devices. ACS Applied Materials & Interfaces, 2011, 3, 2953-2965.	4.0	24
41	K+-doped poly(Îµ-caprolactone)/siloxane biohybrid electrolytes for electrochromic devices. Solid State Ionics, 2011, 204-205, 129-139.	1.3	18
42	Preliminary characterisation of LiAsF6 hybrid polymer electrolytes for electrochromic devices. Electrochimica Acta, 2011, 57, 52-57.	2.6	6
43	Characterization of polyetherâ€poly(methyl methacrylate)â€lithium perchlorate blend electrolytes. Polymers for Advanced Technologies, 2011, 22, 1753-1759.	1.6	9
44	Characterization of pTMCnLiPF6 solid polymer electrolytes. Solid State Ionics, 2011, 193, 39-42.	1.3	38
45	Functional novel polymer electrolytes containing europium picrate. Materials Research Innovations, 2011, 15, s3-s7.	1.0	9
46	Synthesis and Thermal Behavior of An Amorphous Solid Polymer Electrolyte. ECS Transactions, 2010, 25, 383-394.	0.3	4
47	Gelatin in electrochromic devices. Optical Materials, 2010, 32, 719-722.	1.7	43
48	Solid-state electrochromic devices using pTMC/PEO blends as polymer electrolytes. Electrochimica Acta, 2010, 55, 1495-1502.	2.6	47
49	Mg2+-doped poly(É›-caprolactone)/siloxane biohybrids. Electrochimica Acta, 2010, 55, 1328-1332.	2.6	17
50	Application of di-ureasil ormolytes based on lithium tetrafluoroborate in solid-state electrochromic displays. Journal of Materials Chemistry, 2010, 20, 723-730.	6.7	37
51	Novel Nanocomposites Polymethacrylate Hydroxyethylene Resin Based Electrolyte. ECS Transactions, 2009, 19, 79-83.	0.3	0
52	Interpenetrating Networks Based on Poly(trimethylene Carbonate) and Poly(ethylene oxide) Blends Doped With Lithium Salts. ECS Transactions, 2009, 16, 157-165.	0.3	1
53	New Developments in Conducting Polymers Based on Commercial Gelatin. ECS Transactions, 2009, 16, 413-419.	0.3	3
54	Characterization of Lithium-based Solid Polymer Electrolytes. ECS Transactions, 2009, 19, 15-23.	0.3	3

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55	Application of hybrid materials in solid-state electrochromic devices. Optical Materials, 2009, 31, 1467-1471.	1.7	17
56	Preparation of hybrid organicâ€“inorganic materials based on a di-ureasil matrix doped with lithium bis(trifluoromethanesulfonyl)imide. Journal of Power Sources, 2008, 180, 607-611.	4.0	11
57	Electrochemical and thermal properties of polymer electrolytes based on poly(epichlorohydrin-co-ethylene oxide-co-ally glycidyl ether). Electrochimica Acta, 2007, 53, 1427-1431.	2.6	23