

Glaura Goulart Silva

List of Publications by Year in descending order

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125
papers

3,649
citations

109321

35
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182427

51
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127
all docs

127
docs citations

127
times ranked

5238
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical and thermal characterization of native brazilian coir fiber. Journal of Applied Polymer Science, 2000, 76, 1197-1206.	2.6	125
2	Structure and conductivity of multi-walled carbon nanotube/poly(3-hexylthiophene) composite films. Polymer, 2007, 48, 1667-1678.	3.8	120
3	Improving supercapacitor capacitance by using a novel gel nanocomposite polymer electrolyte based on nanostructured SiO ₂ , PVDF and imidazolium ionic liquid. Electrochimica Acta, 2016, 188, 809-817.	5.2	101
4	Surface properties of oxidized and aminated multi-walled carbon nanotubes. Journal of the Brazilian Chemical Society, 2012, 23, 1078-1086.	0.6	97
5	Multifunctional nanocomposites based on tetraethylenepentamine-modified graphene oxide/epoxy. Polymer Testing, 2015, 43, 182-192.	4.8	93
6	A flexible solar cell/supercapacitor integrated energy device. Nano Energy, 2017, 42, 181-186.	16.0	92
7	Supercapacitor Operating At 200 Degrees Celsius. Scientific Reports, 2013, 3, 2572.	3.3	89
8	One-step electrodeposited 3D-ternary composite of zirconia nanoparticles, rGO and polypyrrole with enhanced supercapacitor performance. Nano Energy, 2017, 31, 225-232.	16.0	86
9	Supercapacitors based on modified graphene electrodes with poly(ionic liquid). Journal of Power Sources, 2014, 256, 264-273.	7.8	74
10	Purity Evaluation of Carbon Nanotube Materials by Thermogravimetric, TEM, and SEM Methods. Journal of Nanoscience and Nanotechnology, 2007, 7, 3477-3486.	0.9	72
11	Observation of Dynamic Strain Hardening in Polymer Nanocomposites. ACS Nano, 2011, 5, 2715-2722.	14.6	70
12	Composites of rigid polyurethane foam and cellulose fiber residue. Journal of Applied Polymer Science, 2010, 117, 3665-3672.	2.6	67
13	Surface modification of carbon black nanoparticles by dodecylamine: Thermal stability and phase transfer in brine medium. Carbon, 2014, 72, 287-295.	10.3	64
14	Effect of blend composition on microstructure, morphology, and gas permeability in PU/PMMA blends. Journal of Membrane Science, 2006, 271, 177-185.	8.2	63
15	A highly adhesive PIL/IL gel polymer electrolyte for use in flexible solid state supercapacitors. Electrochimica Acta, 2019, 299, 789-799.	5.2	63
16	Systematic investigation of the effects of temperature and pressure on gas transport through polyurethane/poly(methylmethacrylate) phase-separated blends. Journal of Membrane Science, 2008, 310, 129-140.	8.2	59
17	Solid state polymeric electrolytes based on poly(epichlorohydrin). Solid State Ionics, 1996, 93, 105-116.	2.7	58
18	Characterization of three non-product materials from a bleached eucalyptus kraft pulp mill, in view of valorising them as a source of cellulose fibres. Industrial Crops and Products, 2008, 27, 288-295.	5.2	58

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19	Hybrid 2D nanostructures for mechanical reinforcement and thermal conductivity enhancement in polymer composites. <i>Composites Science and Technology</i> , 2018, 159, 103-110.	7.8	55
20	Nanocomposites of Graphene Nanosheets/Multiwalled Carbon Nanotubes as Electrodes for In-plane Supercapacitors. <i>Electrochimica Acta</i> , 2016, 187, 312-322.	5.2	51
21	Glass transition improvement in epoxy/graphene composites. <i>Journal of Materials Science</i> , 2013, 48, 7883-7892.	3.7	50
22	Ionic conductivity in polyethylene-b-poly(ethylene oxide)/lithium perchlorate solid polymer electrolytes. <i>Electrochimica Acta</i> , 2007, 53, 1503-1511.	5.2	49
23	Thermal decomposition and electron microscopy studies of single-walled carbon nanotubes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 88, 885-891.	3.6	46
24	Study of Correlations between Microstructure and Conductivity in a Thermoplastic Polyurethane Electrolyte. <i>Journal of Physical Chemistry B</i> , 1999, 103, 7102-7110.	2.6	45
25	The influences of heat treatment on the structural properties of lithium aluminates. <i>Journal of Physics and Chemistry of Solids</i> , 2001, 62, 857-864.	4.0	44
26	Microthermal Characterization of Segmented Polyurethane Elastomers and a Polystyrene~Poly(methyl methacrylate) Polymer Blend Using Variable-Temperature Pulsed Force Mode Atomic Force Microscopy. <i>Macromolecules</i> , 2000, 33, 9348-9359.	4.8	41
27	Dual-responsive and super absorbing thermally cross-linked hydrogel based on methacrylate substituted polyphosphazene. <i>Soft Matter</i> , 2011, 7, 4414.	2.7	41
28	Aqueous suspensions of carbon black with ethylenediamine and polyacrylamide-modified surfaces: Applications for chemically enhanced oil recovery. <i>Carbon</i> , 2016, 109, 290-299.	10.3	41
29	Long-term behavior of epoxy/graphene-based composites determined by dynamic mechanical analysis. <i>Journal of Materials Science</i> , 2015, 50, 6407-6419.	3.7	40
30	Electrical conductivity and thermal properties of functionalized carbon nanotubes/polyurethane composites. <i>Polimeros</i> , 2012, 22, 117-124.	0.7	40
31	Morphology, thermal expansion, and electrical conductivity of multiwalled carbon nanotube/epoxy composites. <i>Journal of Applied Polymer Science</i> , 2008, 108, 979-986.	2.6	39
32	Temperature stable supercapacitors based on ionic liquid and mixed functionalized carbon nanomaterials. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3573-3580.	2.5	39
33	Purity evaluation and influence of carbon nanotube on carbon nanotube/graphite thermal stability. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 97, 257-263.	3.6	38
34	Hybrid MoS ₂ /h-BN Nanofillers As Synergic Heat Dissipation and Reinforcement Additives in Epoxy Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24485-24492.	8.0	38
35	Efficiency of capacitive deionization using carbon materials based electrodes for water desalination. <i>Journal of Electroanalytical Chemistry</i> , 2020, 859, 113840.	3.8	38
36	Layer-by-layer assembled films of multi-walled carbon nanotubes with chitosan and cellulose nanocrystals. <i>Journal of Colloid and Interface Science</i> , 2014, 432, 214-220.	9.4	36

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37	Thermodynamic Study of Methylene Blue Adsorption on Carbon Nanotubes Using Isothermal Titration Calorimetry: A Simple and Rigorous Approach. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 729-737.	1.9	35
38	Insights on the Behavior of Imidazolium Ionic Liquids as Electrolytes in Carbon-Based Supercapacitors: An Applied Electrochemical Approach. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15818-15830.	3.1	34
39	Solid state double layer capacitor based on a polyether polymer electrolyte blend and nanostructured carbon black electrode composites. <i>Journal of Power Sources</i> , 2008, 177, 652-659.	7.8	33
40	Electrochemical behavior of polyurethane ether electrolytes/carbon black composites and application to double layer capacitor. <i>Electrochimica Acta</i> , 2001, 46, 1629-1634.	5.2	32
41	Positron annihilation and differential scanning calorimetry studies of plasticized poly(ethylene Tj ETQq1 1 0.784314 rgBT /Oyerlock 10	3.8	32
42	Polydimethylsiloxane Membranes Containing Multi-walled Carbon Nanotubes for Gas Separation. <i>Materials Research</i> , 2017, 20, 1454-1460.	1.3	32
43	A comparison of ionic conductivity, thermal behaviour and morphology in two polyether "Li" "LiAl5O8 composite polymer electrolytes. <i>Electrochimica Acta</i> , 2001, 46, 1679-1686.	5.2	31
44	Polymer electrolytes based on poly(ethylene glycol) dimethyl ether and the ionic liquid 1-butyl-3-methylimidazolium hexafluorophosphate: Preparation, physico-chemical characterization, and theoretical study. <i>Electrochimica Acta</i> , 2007, 53, 1568-1574.	5.2	31
45	Microwave-assisted synthesis of polyacrylamide-aminated graphene oxide hybrid hydrogel with improved adsorption properties. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104415.	6.7	31
46	Nanoheterogeneities in PEO/PMMA blends: A modulated differential scanning calorimetry approach. <i>Journal of Applied Polymer Science</i> , 2000, 77, 2034-2043.	2.6	30
47	LiFePO ₄ /Mesoporous Carbon Hybrid Supercapacitor Based on LiTFSI/Imidazolium Ionic Liquid Electrolyte. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1456-1465.	3.1	30
48	Polymeric nanomaterials as electrolyte and electrodes in supercapacitors. <i>Nano Research</i> , 2009, 2, 733-739.	10.4	29
49	Enhanced thermal conductivity and mechanical properties of hybrid MoS ₂ /hBN polyurethane nanocomposites. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46560.	2.6	29
50	Free volume and crystallinity in low molecular weight poly(ethylene oxide). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 2400-2409.	2.1	28
51	High-performance Li-Ion hybrid supercapacitor based on LiMn2O4 in ionic liquid electrolyte. <i>Electrochimica Acta</i> , 2019, 325, 134900.	5.2	28
52	Thermosetting polyurethane multiwalled carbon nanotube composites: Thermomechanical properties and nanoindentation. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	27
53	Electrochemical capacitor using polymer/carbon composites. <i>Journal of Power Sources</i> , 1995, 55, 93-96.	7.8	26
54	Graphene oxide " Ionic liquid composite electrolytes for safe and high-performance supercapacitors. <i>Electrochimica Acta</i> , 2018, 259, 783-792.	5.2	26

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55	Effect of the carbon loading on the structural and photocatalytic properties of reduced graphene oxide-TiO ₂ nanocomposites prepared by hydrothermal synthesis. <i>Journal of Materials Research and Technology</i> , 2019, 8, 6262-6274.	5.8	26
56	Discussion on Operational Voltage and Efficiencies of Ionic-Liquid-Based Electrochemical Capacitors. <i>Journal of Physical Chemistry C</i> , 2019, 123, 8541-8549.	3.1	25
57	Correlation between thermal, optical and morphological properties of heterogeneous blends of poly(3-hexylthiophene) and thermoplastic polyurethane. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 7529-7542.	1.8	24
58	Structure and conductivity in polydioxolane/LiCF ₃ SO ₃ electrolytes. <i>Electrochimica Acta</i> , 2001, 46, 1493-1498.	5.2	23
59	Multi-walled carbon nanotubes functionalized with triethylenetetramine as fillers to enhance epoxy dimensional thermal stability. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 1021-1027.	3.6	23
60	Higher thermal conductivity and mechanical enhancements in hybrid 2D polymer nanocomposites. <i>Polymer Testing</i> , 2020, 87, 106510.	4.8	23
61	Synthesis and electrochemical characterization of new polymer electrolytes based on dioxolane homo and co-polymers. <i>Electrochimica Acta</i> , 1992, 37, 1589-1592.	5.2	22
62	Characterizing intrinsic charges in top gated bilayer graphene device by Raman spectroscopy. <i>Carbon</i> , 2012, 50, 3435-3439.	10.3	22
63	Inclusion complex between cisplatin and single-walled carbon nanotube: An integrated experimental and theoretical approach. <i>Inorganica Chimica Acta</i> , 2016, 447, 38-44.	2.4	21
64	High performance polyurethane composites with isocyanate- ϵ -functionalized carbon nanotubes: Improvements in tear strength and scratch hardness. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	21
65	Nanofluids based on hydrolyzed polyacrylamide and aminated graphene oxide for enhanced oil recovery in different reservoir conditions. <i>Fuel</i> , 2022, 310, 122299.	6.4	21
66	Poly(2,5-dimethoxy aniline)/fluoropolymer blend coatings to corrosion inhibition on stainless steel. <i>Synthetic Metals</i> , 2006, 156, 1036-1042.	3.9	20
67	Morphology, crystalline structure and thermal properties of PEO/MEEP blends. <i>European Polymer Journal</i> , 2007, 43, 3283-3291.	5.4	20
68	PIL/IL gel polymer electrolytes: The influence of the IL ions on the properties of solid-state supercapacitors. <i>European Polymer Journal</i> , 2018, 108, 452-460.	5.4	20
69	Micro-Raman study of polydioxolane/LiClO ₄ and NaClO ₄ electrolytes. <i>Applied Physics Letters</i> , 1995, 67, 3352-3354.	3.3	19
70	Conductivities, thermal properties and Raman studies of poly(tetramethylene glycol) based polymer electrolytes. <i>Electrochimica Acta</i> , 1998, 43, 1477-1480.	5.2	19
71	Positron annihilation and differential scanning calorimetry studies of polyacrylamide and poly(dimethylacrylamide)/poly(ethylene glycol) blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 1493-1500.	2.1	19
72	Domain size effects on the thermal properties of PS/PMMA blends. <i>Applied Surface Science</i> , 2004, 238, 64-72.	6.1	19

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73	A new composite from cellulose industrial waste and elastomeric polyurethane. <i>Journal of Applied Polymer Science</i> , 2005, 98, 336-340.	2.6	19
74	Characterization of commercial double-walled carbon nanotube material: composition, structure, and heat capacity. <i>Journal of Materials Science</i> , 2009, 44, 3498-3503.	3.7	19
75	Solvent effect on the structure and photocatalytic behavior of TiO ₂ -RGO nanocomposites. <i>Journal of Materials Research</i> , 2019, 34, 3918-3930.	2.6	19
76	Blends of poly(2,5-dimethoxy aniline) and fluoropolymers as protective coatings. <i>Electrochimica Acta</i> , 2004, 49, 3507-3516.	5.2	18
77	Facile Graphene Oxide Preparation by Microwave-Assisted Acid Method. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	18
78	In-situ determination of amine/epoxy and carboxylic/epoxy exothermic heat of reaction on surface of modified carbon nanotubes and structural verification of covalent bond formation. <i>Applied Surface Science</i> , 2018, 436, 495-504.	6.1	18
79	Pyrolysis of organotin compounds: A preparative method for nanometric tin dioxide powders. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 4528-4532.	2.8	17
80	Improved impact strength of epoxy by the addition of functionalized multiwalled carbon nanotubes and reactive diluent. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	17
81	Long-term colloidal stability of graphene oxide aqueous nanofluids. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 407-417.	2.1	17
82	Biliquid Supercapacitors: a Simple and New Strategy to Enhance Energy Density in Asymmetric/Hybrid Devices. <i>Electrochimica Acta</i> , 2017, 254, 384-392.	5.2	16
83	The effect of debris on the adsorption and electron-transfer capacity at the interface of oxidized carbon nanotubes. <i>Chemical Engineering Journal</i> , 2020, 388, 124379.	12.7	16
84	The influence of the R group in the thermal stability of Sn ₄ R ₄ O ₆ (R=methyl, n-butyl or phenyl). <i>Materials Research Bulletin</i> , 2003, 38, 1805-1817.	5.2	15
85	Poly(3-hexylthiophene)-multi-walled carbon nanotube (1:1) hybrids: Structure and electrochemical properties. <i>Electrochimica Acta</i> , 2016, 209, 111-120.	5.2	15
86	The effects of salt concentration on cation complexation in triblock-polyether electrolyte. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 2424.	2.8	14
87	Photoelectrochemical sensing of tannic acid based on the use of TiO ₂ sensitized with 5-methylphenazinium methosulfate and carboxy-functionalized CdTe quantum dots. <i>Mikrochimica Acta</i> , 2018, 185, 521.	5.0	14
88	High-Performance Lithium-Ion Hybrid Supercapacitors Based on Lithium Salt/Imidazolium Ionic Liquid Electrolytes and Ni-Doped LiMn ₂ O ₄ Cathode Materials. <i>ACS Applied Energy Materials</i> , 2020, 3, 9028-9039.	5.1	14
89	Multifunctionality in ultra high molecular weight polyethylene nanocomposites with reduced graphene oxide: Hardness, impact and tribological properties. <i>Polymer</i> , 2022, 240, 124475.	3.8	14
90	Micro-Raman study of poly(ethylene glycol) electrolytes near phase segregation compositions. <i>Electrochimica Acta</i> , 2001, 46, 1687-1694.	5.2	13

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91	Thermoplastic Polyurethane Nanocomposites Produced via Impregnation of Long Carbon Nanotube Forests. <i>Macromolecular Materials and Engineering</i> , 2011, 296, 53-58.	3.6	13
92	Origami-Inspired 3D Interconnected Molybdenum Carbide Nanoflakes. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701113.	3.7	13
93	Free volume properties of thermoplastic polyurethane/polymethylmethacrylate blends: Evidence of interchain interaction. <i>Journal of Applied Polymer Science</i> , 2007, 105, 641-646.	2.6	12

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109	Otimizaç�o do processo de dispers�o de nanotubos de carbono em poliuretano termorr�gido. Polimeros, 2016, 26, 81-91.	0.7	5
110	Polyacrylamide copolymer/aminated carbon nanotube-based aqueous nanofluids for application in high temperature and salinity. Journal of Applied Polymer Science, 2018, 135, 46382.	2.6	5
111	Poly(2-methoxy-5-(2-ethyl-hexyloxy)-1,4-phenylenevinylene) conjugated polymer domains in a thermoplastic polyurethane matrix. Journal of Applied Physics, 2007, 101, 033133.	2.5	4
112	Improved Functionalization of Multiwalled Carbon Nanotubes in Ultra-Low Acid Volume: Effect of Solid/Liquid Interface. Journal of the Brazilian Chemical Society, 0, , .	0.6	4
113	Evaluation of the dispersion of carbon nanotubes in an elastomeric polyurethane and fatigue test. Polimeros, 2019, 29, .	0.7	4
114	H-BN nanosheets obtained by mechanochemical processes and its application in lamellar hybrid with graphene oxide. Nanotechnology, 2022, 33, 035714.	2.6	4
115	Pol�meros com condutividade i�nica: desafios fundamentais e potencial tecnol�gico. Polimeros, 2005, 15, 249-255.	0.7	4
116	Raman scattering in complexed poly(ethylene glycol-400) distereate-lithium perchlorate systems. Solid State Ionics, 1996, 92, 151-154.	2.7	3
117	Polymer Blend for Electrolyte and Electrode Coatings. Macromolecular Symposia, 2005, 229, 160-167.	0.7	3
118	The effect of plasma treatment on flexible self-standing supercapacitors composed by carbon nanotubes and multilayer graphene composites. Journal of Materials Science, 2022, 57, 8779-8799.	3.7	3
119	Photodegradation of UHMWPE Filled with Iron Ore Fine. Materials Research, 2017, 20, 356-364.	1.3	2
120	Self-organized MEH�PPV domains in a TPU matrix and the consequences to the luminescence spectra. Journal of Applied Polymer Science, 2008, 109, 3659-3664.	2.6	1
121	Poly(3-hexythiophene)/multi-walled carbon nanotube composites: electrochemical and optical characterization. Materials Research Society Symposia Proceedings, 2008, 1143, 10201.	0.1	1
122	Oxidation of Single-Walled Carbon Nanotubes under Controlled Chemical Conditions. Journal of the Brazilian Chemical Society, 0, , .	0.6	1
123	Efeito da irradiaç�o gama nas propriedades mec�nicas e t�rmicas de redes DGEBA/amina cicloalif�tica com potencial para aplicaç�es m�dicas. Polimeros, 2013, 23, 814-822.	0.7	1
124	Expanded vermiculite and polyvinyl acetate composite as gap filler for wooden objects conservation. Journal of Cultural Heritage, 2022, 55, 88-94.	3.3	0
125	Positron annihilation and differential scanning calorimetry investigations in poly(methylmethacrylate)/low molecular weight poly(ethylene oxide) polymer blends. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 1045.	2.1	0