

Glaura Goulart Silva

List of Publications by Year in descending order

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124
papers

3,649
citations

109264

35
h-index

182361

51
g-index

127
all docs

127
docs citations

127
times ranked

5238
citing authors

#	ARTICLE	IF	CITATIONS
1	H-BN nanosheets obtained by mechanochemical processes and its application in lamellar hybrid with graphene oxide. <i>Nanotechnology</i> , 2022, 33, 035714.	1.3	4
2	Nanofluids based on hydrolyzed polyacrylamide and aminated graphene oxide for enhanced oil recovery in different reservoir conditions. <i>Fuel</i> , 2022, 310, 122299.	3.4	21
3	Multifunctionality in ultra high molecular weight polyethylene nanocomposites with reduced graphene oxide: Hardness, impact and tribological properties. <i>Polymer</i> , 2022, 240, 124475.	1.8	14
4	Expanded vermiculite and polyvinyl acetate composite as gap filler for wooden objects conservation. <i>Journal of Cultural Heritage</i> , 2022, 55, 88-94.	1.5	0
5	The effect of plasma treatment on flexible self-standing supercapacitors composed by carbon nanotubes and multilayer graphene composites. <i>Journal of Materials Science</i> , 2022, 57, 8779-8799.	1.7	3

6

#	ARTICLE	IF	CITATIONS
19	Solvent effect on the structure and photocatalytic behavior of TiO ₂ -RGO nanocomposites. <i>Journal of Materials Research</i> , 2019, 34, 3918-3930.	1.2	19
20	A highly adhesive PIL/IL gel polymer electrolyte for use in flexible solid state supercapacitors. <i>Electrochimica Acta</i> , 2019, 299, 789-799.	2.6	63
21	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.	4.0	38
22	Polyacrylamide copolymer/aminated carbon nanotube based aqueous nanofluids for application in high temperature and salinity. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46382.	1.3	5
23	Enhanced thermal conductivity and mechanical properties of hybrid MoS ₂ /h-BN polyurethane nanocomposites. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46560.	1.3	29
24	Origami-Inspired 3D Interconnected Molybdenum Carbide Nanoflakes. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701113.	1.9	13
25	LiFePO ₄ /Mesoporous Carbon Hybrid Supercapacitor Based on LiTFSI/Imidazolium Ionic Liquid Electrolyte. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1456-1465.	1.5	30
26	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.	3.1	18
27	Hybrid 2D nanostructures for mechanical reinforcement and thermal conductivity enhancement in polymer composites. <i>Composites Science and Technology</i> , 2018, 159, 103-110.	3.8	55
28	Graphene oxide Ionic liquid composite electrolytes for safe and high-performance supercapacitors. <i>Electrochimica Acta</i> , 2018, 259, 783-792.	2.6	26
29	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.	2.5	14
30	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.	2.6	20
31	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.	1.0	35
32	Polyacrylamide hydrogels for stone restoration: Effect of salt solutions on swelling/deswelling degree and dynamic correlation length. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	8
33	A flexible solar cell/supercapacitor integrated energy device. <i>Nano Energy</i> , 2017, 42, 181-186.	8.2	92
34	Biliquid Supercapacitors: a Simple and New Strategy to Enhance Energy Density in Asymmetric/Hybrid Devices. <i>Electrochimica Acta</i> , 2017, 254, 384-392.	2.6	16
35	One-step electrodeposited 3D-ternary composite of zirconia nanoparticles, rGO and polypyrrole with enhanced supercapacitor performance. <i>Nano Energy</i> , 2017, 31, 225-232.	8.2	86
36	High performance polyurethane composites with isocyanate-functionalized carbon nanotubes: Improvements in tear strength and scratch hardness. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	21

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37	Polydimethylsiloxane Membranes Containing Multi-walled Carbon Nanotubes for Gas Separation. <i>Materials Research</i> , 2017, 20, 1454-1460.	0.6	32
38	Photodegradation of UHMWPE Filled with Iron Ore Fine. <i>Materials Research</i> , 2017, 20, 356-364.	0.6	2
39	Otimizaç�o do processo de dispers�o de nanotubos de carbono em poliuretano termorr�gido. <i>Polimeros</i> , 2016, 26, 81-91.	0.2	5
40	Carbon nanotube/dendrimer hybrids as electrodes for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1991-2000.	1.2	8
41	Aqueous suspensions of carbon black with ethylenediamine and polyacrylamide-modified surfaces: Applications for chemically enhanced oil recovery. <i>Carbon</i> , 2016, 109, 290-299.	5.4	41
42	Poly(3-hexylthiophene)-multi-walled carbon nanotube (1:1) hybrids: Structure and electrochemical properties. <i>Electrochimica Acta</i> , 2016, 209, 111-120.	2.6	15
43	Inclusion complex between cisplatin and single-walled carbon nanotube: An integrated experimental and theoretical approach. <i>Inorganica Chimica Acta</i> , 2016, 447, 38-44.	1.2	21
44	Improving supercapacitor capacitance by using a novel gel nanocomposite polymer electrolyte based on nanostructured SiO ₂ , PVDF and imidazolium ionic liquid. <i>Electrochimica Acta</i> , 2016, 188, 809-817.	2.6	101
45	Nanocomposites of Graphene Nanosheets/Multiwalled Carbon Nanotubes as Electrodes for In-plane Supercapacitors. <i>Electrochimica Acta</i> , 2016, 187, 312-322.	2.6	51
46	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, .	1.3	17
47	Facile Graphene Oxide Preparation by Microwave-Assisted Acid Method. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	18
48	Long-term behavior of epoxy/graphene-based composites determined by dynamic mechanical analysis. <i>Journal of Materials Science</i> , 2015, 50, 6407-6419.	1.7	40
49	Multifunctional nanocomposites based on tetraethylenepentamine-modified graphene oxide/epoxy. <i>Polymer Testing</i> , 2015, 43, 182-192.	2.3	93
50	Thermosetting polyurethane�multiwalled carbon nanotube composites: Thermomechanical properties and nanoindentation. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	27
51	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.	2.0	23
52	Supercapacitors based on modified graphene electrodes with poly(ionic liquid). <i>Journal of Power Sources</i> , 2014, 256, 264-273.	4.0	74
53	Surface modification of carbon black nanoparticles by dodecylamine: Thermal stability and phase transfer in brine medium. <i>Carbon</i> , 2014, 72, 287-295.	5.4	64
54	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.	5.0	36

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55	Class transition improvement in epoxy/graphene composites. <i>Journal of Materials Science</i> , 2013, 48, 7883-7892.	1.7	50
56	Supercapacitor Operating At 200 Degrees Celsius. <i>Scientific Reports</i> , 2013, 3, 2572.	1.6	89
57	Fast Vortex-Assisted Self-Assembly of Carbon Nanoparticles on an Air/Water Interface. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6524-6533.	1.2	7
58	Rheological studies of semidilute polyacrylamide/carbon nanotube nanofluids. <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	6
59	Efeito da irradiação gama nas propriedades mecânicas e térmicas de redes DGEBA/amina cicloalifática com potencial para aplicações médicas. <i>Polimeros</i> , 2013, 23, 814-822.	0.2	1
60	Surface properties of oxidized and aminated multi-walled carbon nanotubes. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 1078-1086.	0.6	97
61	Temperature stable supercapacitors based on ionic liquid and mixed functionalized carbon nanomaterials. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3573-3580.	1.2	39
62	Characterizing intrinsic charges in top gated bilayer graphene device by Raman spectroscopy. <i>Carbon</i> , 2012, 50, 3435-3439.	5.4	22
63	Electrical conductivity and thermal properties of functionalized carbon nanotubes/polyurethane composites. <i>Polimeros</i> , 2012, 22, 117-124.	0.2	40
64	Observation of Dynamic Strain Hardening in Polymer Nanocomposites. <i>ACS Nano</i> , 2011, 5, 2715-2722.	7.3	70
65	Dual-responsive and super absorbing thermally cross-linked hydrogel based on methacrylate substituted polyphosphazene. <i>Soft Matter</i> , 2011, 7, 4414.	1.2	41
66	Thermoplastic Polyurethane Nanocomposites Produced via Impregnation of Long Carbon Nanotube Forests. <i>Macromolecular Materials and Engineering</i> , 2011, 296, 53-58.	1.7	13
67	Electrochemical study of double-walled carbon nanotube electrode/block polyether-lithium bis(trifluorosulphonyl)imide salt polymer electrolyte interface. <i>Electrochimica Acta</i> , 2011, 56, 4650-4656.	2.6	5
68	Composites of rigid polyurethane foam and cellulose fiber residue. <i>Journal of Applied Polymer Science</i> , 2010, 117, 3665-3672.	1.3	67
69	Nanocompósitos de poliuretana termoplástica e nanotubos de carbono de paredes múltiplas para dissipação eletrostática. <i>Química Nova</i> , 2010, 33, 133-140.	0.3	10
70	Characterization of commercial double-walled carbon nanotube material: composition, structure, and heat capacity. <i>Journal of Materials Science</i> , 2009, 44, 3498-3503.	1.7	19
71	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.	2.0	38
72	Polymeric nanomaterials as electrolyte and electrodes in supercapacitors. <i>Nano Research</i> , 2009, 2, 733-739.	5.8	29

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73	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.	4.0	33
74	Morphology, thermal expansion, and electrical conductivity of multiwalled carbon nanotube/epoxy composites. <i>Journal of Applied Polymer Science</i> , 2008, 108, 979-986.	1.3	39
75	Self-organized MEH-PPV domains in a TPU matrix and the consequences to the luminescence spectra. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3659-3664.	1.3	1
76	Systematic investigation of the effects of temperature and pressure on gas transport through polyurethane/poly(methylmethacrylate) phase-separated blends. <i>Journal of Membrane Science</i> , 2008, 310, 129-140.	4.1	59
77	Electric force microscopy investigation of a MEH-PPV conjugated polymer blend: Robustness or frailty?. <i>Ultramicroscopy</i> , 2008, 108, 302-308.	0.8	8
78	Characterization of three non-product materials from a bleached eucalyptus kraft pulp mill, in view of valorising them as a source of cellulose fibres. <i>Industrial Crops and Products</i> , 2008, 27, 288-295.	2.5	58
79	Poly(3-hexylthiophene)/multi-walled carbon nanotube composites: electrochemical and optical characterization. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1143, 10201.	0.1	1
80	Poly(2-methoxy-5-(2-ethyl-hexyloxy)-1,4-phenylenevinylene) conjugated polymer domains in a thermoplastic polyurethane matrix. <i>Journal of Applied Physics</i> , 2007, 101, 033133.	1.1	4
81	Purity Evaluation of Carbon Nanotube Materials by Thermogravimetric, TEM, and SEM Methods. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3477-3486.	0.9	72
82	Free volume properties of thermoplastic polyurethane/polymethylmethacrylate blends: Evidence of interchain interaction. <i>Journal of Applied Polymer Science</i> , 2007, 105, 641-646.	1.3	12
83	Ionic conductivity in polyethylene-b-poly(ethylene oxide)/lithium perchlorate solid polymer electrolytes. <i>Electrochimica Acta</i> , 2007, 53, 1503-1511.	2.6	49
84	Morphology, crystalline structure and thermal properties of PEO/MEEP blends. <i>European Polymer Journal</i> , 2007, 43, 3283-3291.	2.6	20
85	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.	2.6	31
86	Structure and conductivity of multi-walled carbon nanotube/poly(3-hexylthiophene) composite films. <i>Polymer</i> , 2007, 48, 1667-1678.	1.8	120
87	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.	2.4	28
88	Thermal decomposition and electron microscopy studies of single-walled carbon nanotubes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 88, 885-891.	2.0	46
89	Poly(2,5-dimethoxy aniline)/fluoropolymer blend coatings to corrosion inhibition on stainless steel. <i>Synthetic Metals</i> , 2006, 156, 1036-1042.	2.1	20
90	Effect of blend composition on microstructure, morphology, and gas permeability in PU/PMMA blends. <i>Journal of Membrane Science</i> , 2006, 271, 177-185.	4.1	63

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91	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.	0.7	24
92	Polymer Blend for Electrolyte and Electrode Coatings. <i>Macromolecular Symposia</i> , 2005, 229, 160-167.	0.4	3
93	A new composite from cellulose industrial waste and elastomeric polyurethane. <i>Journal of Applied Polymer Science</i> , 2005, 98, 336-340.	1.3	19
94	Polímeros com condutividade iônica: desafios fundamentais e potencial tecnológico. <i>Polímeros</i> , 2005, 15, 249-255.	0.2	4
95	Blends of poly(2,5-dimethoxy aniline) and fluoropolymers as protective coatings. <i>Electrochimica Acta</i> , 2004, 49, 3507-3516.	2.6	18
96	Domain size effects on the thermal properties of PS/PMMA blends. <i>Applied Surface Science</i> , 2004, 238, 64-72.	3.1	19
97	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.	2.7	15
98	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.	2.4	19
99	Cross-linking effect on thermal, conducting and electrochemical properties of an elastomeric polymer electrolyte. <i>Solid State Ionics</i> , 2003, 159, 301-311.	1.3	7
100	The effects of salt concentration on cation complexation in triblock-polyether electrolyte. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 2424.	1.3	14
101	Pyrolysis of organotin compounds: A preparative method for nanometric tin dioxide powders. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 4528-4532.	1.3	17
102	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.	1.9	44
103	Cation environment in polyether complexes based on poly(tetramethylene glycol) doped with zinc and cobalt chlorides. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 2572-2580.	2.4	6
104	Raman study of triblock polyether/LiCF ₃ SO ₃ polymeric electrolytes. <i>Journal of Raman Spectroscopy</i> , 2001, 32, 369-371.	1.2	11
105	Structure and conductivity in polydioxolane/LiCF ₃ SO ₃ electrolytes. <i>Electrochimica Acta</i> , 2001, 46, 1493-1498.	2.6	23
106	Electrochemical behavior of polyurethane ether electrolytes/carbon black composites and application to double layer capacitor. <i>Electrochimica Acta</i> , 2001, 46, 1629-1634.	2.6	32
107	Micro-Raman study of poly(ethylene glycol) electrolytes near phase segregation compositions. <i>Electrochimica Acta</i> , 2001, 46, 1687-1694.	2.6	13
108	Positron annihilation and differential scanning calorimetry studies of plasticized poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.8	32

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109	A comparison of ionic conductivity, thermal behaviour and morphology in two polyetherâ€“LiIâ€“LiAl5O8 composite polymer electrolytes. <i>Electrochimica Acta</i> , 2001, 46, 1679-1686.	2.6	31
110	Mechanical and thermal characterization of native brazilian coir fiber. <i>Journal of Applied Polymer Science</i> , 2000, 76, 1197-1206.	1.3	125
111	Nanoheterogeneities in PEO/PMMA blends: A modulated differential scanning calorimetry approach. <i>Journal of Applied Polymer Science</i> , 2000, 77, 2034-2043.	1.3	30
112	Title is missing!. <i>Journal of Materials Science</i> , 2000, 35, 4721-4728.	1.7	5
113	Microthermal Characterization of Segmented Polyurethane Elastomers and a Polystyreneâˆ“Poly(methyl methacrylate) Polymer Blend Using Variable-Temperature Pulsed Force Mode Atomic Force Microscopy. <i>Macromolecules</i> , 2000, 33, 9348-9359.	2.2	41
114	Conductivities and thermal studies of polymeric electrolytes based on poly(epichlorohydrin)/sodium salts. <i>Polymer Engineering and Science</i> , 1999, 39, 430-436.	1.5	7
115	Theoretical study of solvent and temperature effects on the behaviour of poly(ethylene oxide) (PEO). <i>Chemical Physics Letters</i> , 1999, 307, 95-101.	1.2	9
116	Study of Correlations between Microstructure and Conductivity in a Thermoplastic Polyurethane Electrolyte. <i>Journal of Physical Chemistry B</i> , 1999, 103, 7102-7110.	1.2	45
117	Conductivities, thermal properties and Raman studies of poly(tetramethylene glycol) based polymer electrolytes. <i>Electrochimica Acta</i> , 1998, 43, 1477-1480.	2.6	19
118	Raman scattering in complexed poly(ethylene glycol-400) distereate-lithium perchlorate systems. <i>Solid State Ionics</i> , 1996, 92, 151-154.	1.3	3
119	Solid state polymeric electrolytes based on poly(epichlorohydrin). <i>Solid State Ionics</i> , 1996, 93, 105-116.	1.3	58
120	Electrochemical capacitor using polymer/carbon composites. <i>Journal of Power Sources</i> , 1995, 55, 93-96.	4.0	26
121	Microâ€“Raman study of polydioxolane/LiClO4 and NaClO4 electrolytes. <i>Applied Physics Letters</i> , 1995, 67, 3352-3354.	1.5	19
122	Synthesis and electrochemical characterization of new polymer electrolytes based on dioxolane homo and co-polymers. <i>Electrochimica Acta</i> , 1992, 37, 1589-1592.	2.6	22
123	Oxidation of Single-Walled Carbon Nanotubes under Controlled Chemical Conditions. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1
124	Improved Functionalization of Multiwalled Carbon Nanotubes in Ultra-Low Acid Volume: Effect of Solid/Liquid Interface. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	4