

Gabriela L Botelho

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4636123/publications.pdf>

Version: 2024-02-01

50
papers

1,781
citations

279487

23
h-index

264894

42
g-index

52
all docs

52
docs citations

52
times ranked

2451
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescent Poly(vinylidene fluoride)-Based Inks for Anticounterfeiting Applications. <i>Advanced Photonics Research</i> , 2022, 3, 2100151.	1.7	3
2	Reusable Nanocomposite Membranes for Highly Efficient Arsenite and Arsenate Dual Removal from Water. <i>Advanced Materials Interfaces</i> , 2022, 9, 2101419.	1.9	11
3	Large-Scale Synthesis of Semiconducting Cu(In,Ga)Se ₂ Nanoparticles for Screen Printing Application. <i>Nanomaterials</i> , 2021, 11, 1148.	1.9	10
4	Eco-friendly and cost-efficient inks for screen-printed fabrication of copper indium gallium diselenide photoabsorber thin films. <i>Journal of Colloid and Interface Science</i> , 2021, 598, 388-397.	5.0	13
5	Effect of Polymer Dissolution Temperature and Conditioning Time on the Morphological and Physicochemical Characteristics of Poly(Vinylidene Fluoride) Membranes Prepared by Non-Solvent Induced Phase Separation. <i>Polymers</i> , 2021, 13, 4062.	2.0	2
6	Large-scale aqueous synthesis of Cu(In,Ga)Se ₂ nanoparticles for photocatalytic degradation of ciprofloxacin. <i>Dalton Transactions</i> , 2021, 50, 16819-16828.	1.6	2
7	Physicochemical stability of contact lenses materials for biomedical applications. <i>Journal of Optometry</i> , 2020, 13, 120-127.	0.7	4
8	Biodegradable Hydrogels Loaded with Magnetically Responsive Microspheres as 2D and 3D Scaffolds. <i>Nanomaterials</i> , 2020, 10, 2421.	1.9	8
9	Development of Poly(L-Lactic Acid)-Based Bending Actuators. <i>Polymers</i> , 2020, 12, 1187.	2.0	7
10	Spin-Coated Polysaccharide-Based Multilayered Freestanding Films with Adhesive and Bioactive Moieties. <i>Molecules</i> , 2020, 25, 840.	1.7	16
11	Morphology Dependence Degradation of Electro- and Magnetoactive Poly(3-hydroxybutyrate-co-hydroxyvalerate) for Tissue Engineering Applications. <i>Polymers</i> , 2020, 12, 953.	2.0	18
12	Student Skill Development with the Real World: Analyzing <i>tert</i> -Butyl Alcohol Content in Gasoline Samples. <i>Journal of Chemical Education</i> , 2019, 96, 1782-1785.	1.1	1
13	Improved response of ionic liquid-based bending actuators by tailored interaction with the polar fluorinated polymer matrix. <i>Electrochimica Acta</i> , 2019, 296, 598-607.	2.6	49
14	Tailored Biodegradable and Electroactive Poly(Hydroxybutyrate-Co-Hydroxyvalerate) Based Morphologies for Tissue Engineering Applications. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2149.	1.8	23
15	Capture and separation of L-histidine through optimized zinc-decorated magnetic silica spheres. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 48-55.	2.5	1
16	From superhydrophobic- to superhydrophilic-patterned poly(vinylidene fluoride-co) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (-chloro Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1802-1810.	2.4	20
17	Green solvent approach for printable large deformation thermoplastic elastomer based piezoresistive sensors and their suitability for biomedical applications. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2092-2103.	2.4	50
18	Magnetically Controlled Drug Release System through Magnetomechanical Actuation. <i>Advanced Healthcare Materials</i> , 2016, 5, 3027-3034.	3.9	25

#	ARTICLE	IF	CITATIONS
19	The role of shear and stabilizer on PLA degradation. <i>Polymer Testing</i> , 2016, 51, 109-116.	2.3	77
20	Development of poly(vinylidene fluoride)/ionic liquid electrospun fibers for tissue engineering applications. <i>Journal of Materials Science</i> , 2016, 51, 4442-4450.	1.7	48
21	Piezoelectric poly(vinylidene fluoride) microstructure and poling state in active tissue engineering. <i>Engineering in Life Sciences</i> , 2015, 15, 351-356.	2.0	91
22	Poly(vinylidene fluoride-trifluoroethylene) Porous Films: Tailoring Microstructure and Physical Properties by Solvent Casting Strategies. <i>Soft Materials</i> , 2015, 13, 243-253.	0.8	19
23	Physicochemical properties of poly(vinylidene fluoride-trifluoroethylene)/poly(ethylene oxide) blend membranes for lithium ion battery applications: Influence of poly(ethylene oxide) molecular weight. <i>Solid State Ionics</i> , 2014, 268, 54-67.	1.3	32
24	Influence of clay organic modifier on the thermal-stability of PLA based nanocomposites. <i>Applied Clay Science</i> , 2014, 88-89, 144-150.	2.6	89
25	Influence of electrospinning parameters on poly(hydroxybutyrate) electrospun membranes fiber size and distribution. <i>Polymer Engineering and Science</i> , 2014, 54, 1608-1617.	1.5	35
26	Characterization of EVA/PLA Blends When Exposed to Different Environments. <i>Journal of Polymers and the Environment</i> , 2014, 22, 148-157.	2.4	29
27	Inclusion complexes of β -cyclodextrins with poly(D,L-lactic acid): structural, characterization, and glass transition dynamics. <i>Colloid and Polymer Science</i> , 2014, 292, 863-871.	1.0	9
28	Nanostructured Polymeric Coatings Based on Chitosan and Dopamine-Modified Hyaluronic Acid for Biomedical Applications. <i>Small</i> , 2014, 10, 2459-2469.	5.2	163
29	Durability of PCL Nanocomposites Under Different Environments. <i>Journal of Polymers and the Environment</i> , 2013, 21, 710-717.	2.4	5
30	Nanoparticle Size and Concentration Dependence of the Electroactive Phase Content and Electrical and Optical Properties of Ag/Poly(vinylidene fluoride) Composites. <i>ChemPhysChem</i> , 2013, 14, 1926-1933.	1.0	54
31	Influence of the testing conditions on the efficiency and durability of stabilizers against ABS photo-oxidation. <i>Polymer Testing</i> , 2013, 32, 78-85.	2.3	26
32	Influence of the thermo-oxidative degradation on the chemical structure of contact lenses. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
33	On the origin of the electroactive poly(vinylidene fluoride) β -phase nucleation by ferrite nanoparticles via surface electrostatic interactions. <i>CrystEngComm</i> , 2012, 14, 2807.	1.3	242
34	Antimicrobial activity of faujasite zeolites doped with silver. <i>Microporous and Mesoporous Materials</i> , 2012, 160, 126-132.	2.2	146
35	Tailoring porous structure of ferroelectric poly(vinylidene fluoride-trifluoroethylene) by controlling solvent/polymer ratio and solvent evaporation rate. <i>European Polymer Journal</i> , 2011, 47, 2442-2450.	2.6	66
36	Stability of nanocomposites of poly(μ -caprolactone) with tungsten trioxide. <i>Journal of Polymer Research</i> , 2011, 18, 1743-1749.	1.2	14

#	ARTICLE	IF	CITATIONS
37	Degradation studies of transparent conductive electrodes on electroactive poly(vinylidene fluoride) for uric acid measurements. <i>Science and Technology of Advanced Materials</i> , 2010, 11, 045006.	2.8	2
38	Role of Ultraviolet Absorbers (UVA) and Hindered Amine Light Stabilizers (HALS) in ABS Stabilization. <i>Materials Science Forum</i> , 2010, 636-637, 772-778.	0.3	3
39	Enhancement of the Dielectric Constant and Thermal Properties of $\hat{I}\pm$ -Poly(vinylidene fluoride)/Zeolite Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2010, 114, 14446-14452.	1.5	28
40	Degradation of polyamide 11 in rotational moulding. <i>Polymer Degradation and Stability</i> , 2008, 93, 139-146.	2.7	25
41	Catalytic degradation of polyethylene: An evaluation of the effect of dealuminated Y zeolites using thermal analysis. <i>Materials Chemistry and Physics</i> , 2007, 104, 5-9.	2.0	23
42	The effect of acidity behaviour of Y zeolites on the catalytic degradation of polyethylene. <i>European Polymer Journal</i> , 2006, 42, 1541-1547.	2.6	32
43	Influence of Diene Content on the Photodegradation of Ethylene-Propylene-Diene (EPDM) Elastomers. <i>Materials Science Forum</i> , 2006, 514-516, 877-881.	0.3	1
44	Thermogravimetric Study of Polyethylene Catalytic Degradation by Zeolites. <i>Materials Science Forum</i> , 2006, 514-516, 901-904.	0.3	5
45	Enhancement of the thermooxidative degradability of polystyrene by chemical modification. <i>Polymer Degradation and Stability</i> , 2004, 86, 493-497.	2.7	23
46	Studies on thermal and thermo-oxidative degradation of poly(ethylene terephthalate) and poly(butylene terephthalate). <i>Polymer Degradation and Stability</i> , 2001, 74, 39-48.	2.7	123
47	A comparative study on the thermo-oxidative degradation of poly(ether-esters). <i>Polymer Degradation and Stability</i> , 2001, 73, 431-435.	2.7	18
48	A comparative study of the mechanism of the thermo-oxidative degradation of poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 299-304.	2.7	18
49	Thermooxidative studies of poly(ether-esters) 1. Copolymer of poly(butylene terephthalate) and poly(ethylene oxide). <i>Polymer Degradation and Stability</i> , 2000, 67, 13-20.	2.7	42
50	Thermo-oxidative studies of poly(ether-esters) 2. Copolymer of poly(butylene terephthalate) and polybutylene oxide. <i>Polymer Degradation and Stability</i> , 2000, 68, 35-42.	2.7	27