

Elvira De Giglio

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

3,122
citations

168829

31
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190340

53
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93
docs citations

93
times ranked

4916
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Nanoparticles Based on N,O-Carboxymethyl Chitosan-Dopamine Amide Conjugate for Nose-to-Brain Delivery. <i>Pharmaceutics</i> , 2022, 14, 147.	2.0	13
2	Synthesis and Use in Catalysis of Hematite Nanoparticles Obtained from a Polymer Supported Fe(III) Complex. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	1.0	10
3	Valuable effect of Manuka Honey in increasing the printability and chondrogenic potential of a naturally derived bioink. <i>Materials Today Bio</i> , 2022, 14, 100287.	2.6	8
4	A green approach to develop zeolite-thymol antimicrobial composites: analytical characterization and antimicrobial activity evaluation. <i>Heliyon</i> , 2022, 8, e09551.	1.4	13
5	Natural Formulations Based on <i>Olea europaea</i> L. Fruit Extract for the Topical Treatment of HSV-1 Infections. <i>Molecules</i> , 2022, 27, 4273.	1.7	1
6	A bioprintable gellan gum/lignin hydrogel: a smart and sustainable route for cartilage regeneration. <i>International Journal of Biological Macromolecules</i> , 2022, 216, 336-346.	3.6	18
7	A 3D Printed Composite Scaffold Loaded with Clodronate to Regenerate Osteoporotic Bone: In Vitro Characterization. <i>Polymers</i> , 2021, 13, 150.	2.0	10
8	Mesoporous zirconia surfaces with anti-biofilm properties for dental implants. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 045016.	1.7	6
9	Biopolymer hybrid materials: Development, characterization, and food packaging applications. <i>Food Packaging and Shelf Life</i> , 2021, 28, 100676.	3.3	65
10	Innovative Eco-Friendly Hydrogel Film for Berberine Delivery in Skin Applications. <i>Molecules</i> , 2021, 26, 4901.	1.7	11
11	Dopamine-loaded lipid based nanocarriers for intranasal administration of the neurotransmitter: A comparative study. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 167, 189-200.	2.0	15
12	Influence of frequency and duty cycle on the properties of antibacterial borate-based PEO coatings on titanium for bone-contact applications. <i>Applied Surface Science</i> , 2021, 567, 150811.	3.1	14
13	Ca-doped zirconia mesoporous coatings for biomedical applications: A physicochemical and biological investigation. <i>Journal of the European Ceramic Society</i> , 2020, 40, 3698-3706.	2.8	8
14	Advances in cartilage repair: The influence of inorganic clays to improve mechanical and healing properties of antibacterial Gellan gum-Manuka honey hydrogels. <i>Materials Science and Engineering C</i> , 2020, 108, 110444.	3.8	29
15	Unravelling the Antifungal Effect of Red Thyme Oil (<i>Thymus vulgaris</i> L.) Compounds in Vapor Phase. <i>Molecules</i> , 2020, 25, 4761.	1.7	30
16	Special Issue on Surfaces Modification and Analysis for Innovative Biomaterials. <i>Coatings</i> , 2020, 10, 1129.	1.2	0
17	pH-Triggered Adhesiveness and Cohesiveness of Chondroitin Sulfate-Catechol Biopolymer for Biomedical Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 712.	2.0	17
18	In vitro investigations on dopamine loaded Solid Lipid Nanoparticles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 185, 113257.	1.4	30

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19	From the sea to the bee: Gellan gum-honey-diatom composite to deliver resveratrol for cartilage regeneration under oxidative stress conditions. <i>Carbohydrate Polymers</i> , 2020, 245, 116410.	5.1	18
20	Insights into Arbutin Effects on Bone Cells: Towards the Development of Antioxidant Titanium Implants. <i>Antioxidants</i> , 2020, 9, 579.	2.2	15
21	Surface Characterization of Electro-Assisted Titanium Implants: A Multi-Technique Approach. <i>Materials</i> , 2020, 13, 705.	1.3	12
22	Editorial: Composite and Functionalized Hydrogels: Implications for Improved and Biological Properties in Tissue Engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 636575.	2.0	2
23	Data on the influence of inorganic clays to improve mechanical and healing properties of antibacterial Gellan gum-Manuka honey hydrogels. <i>Data in Brief</i> , 2020, 28, 105096.	0.5	3
24	In vivo functionalization of diatom biosilica with sodium alendronate as osteoactive material. <i>Materials Science and Engineering C</i> , 2019, 104, 109897.	3.8	38
25	Electrochemical Strategies for Titanium Implant Polymeric Coatings: The Why and How. <i>Coatings</i> , 2019, 9, 268.	1.2	26
26	Data from in vivo functionalization of diatom mesoporous biosilica with bisphosphonates. <i>Data in Brief</i> , 2019, 24, 103831.	0.5	4
27	Selective Aerobic Oxidation of 5-Hydroxymethylfurfural to 2,5-Diformylfuran or 2-Formyl-5-furancarboxylic Acid in Water by using MgO ₂ /CeO ₂ Mixed Oxides as Catalysts. <i>ChemSusChem</i> , 2018, 11, 1305-1315.	3.6	71
28	Data on Manuka Honey/Gellan Gum composite hydrogels for cartilage repair. <i>Data in Brief</i> , 2018, 20, 831-839.	0.5	11
29	Multi-compartment scaffold fabricated via 3D-printing as in vitro co-culture osteogenic model. <i>Scientific Reports</i> , 2018, 8, 15130.	1.6	30
30	Protection of dopamine towards autoxidation reaction by encapsulation into non-coated- or chitosan- or thiolated chitosan-coated-liposomes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 11-19.	2.5	27
31	Antibacterial effectiveness meets improved mechanical properties: Manuka honey/gellan gum composite hydrogels for cartilage repair. <i>Carbohydrate Polymers</i> , 2018, 198, 462-472.	5.1	55
32	Tunable mixed oxides based on CeO ₂ for the selective aerobic oxidation of 5-(hydroxymethyl)furfural to FDCA in water. <i>Green Chemistry</i> , 2018, 20, 3921-3926.	4.6	58
33	Insight into halloysite nanotubes-loaded gellan gum hydrogels for soft tissue engineering applications. <i>Carbohydrate Polymers</i> , 2017, 163, 280-291.	5.1	99
34	Gallium-modified chitosan/poly(acrylic acid) bilayer coatings for improved titanium implant performances. <i>Carbohydrate Polymers</i> , 2017, 166, 348-357.	5.1	48
35	Silver-loaded chitosan coating as an integrated approach to face titanium implant-associated infections: analytical characterization and biological activity. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 7211-7221.	1.9	18
36	Liposome-modified titanium surface: A strategy to locally deliver bioactive molecules. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 387-396.	2.5	20

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37	Data on glycerol/tartaric acid-based copolymer containing ciprofloxacin for wound healing applications. <i>Data in Brief</i> , 2016, 7, 1335-1340.	0.5	2
38	Data from two different culture conditions of <i>Thalassiosira weissflogii</i> diatom and from cleaning procedures for obtaining monodisperse nanostructured biosilica. <i>Data in Brief</i> , 2016, 8, 312-319.	0.5	15
39	The effect of silver or gallium doped titanium against the multidrug resistant <i>Acinetobacter baumannii</i> . <i>Biomaterials</i> , 2016, 80, 80-95.	5.7	111
40	Data in support of Gallium (Ga ³⁺) antibacterial activities to counteract <i>E. coli</i> and <i>S. epidermidis</i> biofilm formation onto pro-osteointegrative titanium surfaces. <i>Data in Brief</i> , 2016, 6, 758-762.	0.5	7
41	Simulating Bacteria-Materials Interactions via Agent-Based Modeling. <i>Communications in Computer and Information Science</i> , 2016, , 77-82.	0.4	0
42	Chemically Modified Diatoms Biosilica for Bone Cell Growth with Combined Drug Delivery and Antioxidant Properties. <i>ChemPlusChem</i> , 2015, 80, 1062-1062.	1.3	11
43	Synthesis of diethylcarbonate by ethanolysis of urea: A study on the recoverability and recyclability of new Zn-based heterogeneous catalysts. <i>Applied Catalysis A: General</i> , 2015, 493, 1-7.	2.2	14
44	Chemically Modified Diatoms Biosilica for Bone Cell Growth with Combined Drug Delivery and Antioxidant Properties. <i>ChemPlusChem</i> , 2015, 80, 1104-1112.	1.3	75
45	Intranasal delivery of dopamine to the striatum using glycol chitosan/sulfobutylether- β -cyclodextrin based nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 180-193.	2.0	81
46	Exploiting a new glycerol-based copolymer as a route to wound healing: Synthesis, characterization and biocompatibility assessment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 600-611.	2.5	6
47	Cerium-Based Binary and Ternary Oxides in the Transesterification of Dimethylcarbonate with Phenol. <i>ChemSusChem</i> , 2014, 7, 1155-1161.	3.6	16
48	3. Polymer surface chemistry: Characterization by XPS. , 2014, , 73-112.		6
49	β -Tocopherol/chitosan-based nanoparticles: characterization and preliminary investigations for emulsion systems application. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	7
50	Characterization and cytocompatibility of an antibiotic/chitosan/cyclodextrins nanocoating on titanium implants. <i>Carbohydrate Polymers</i> , 2014, 110, 173-182.	5.1	60
51	Preparation and characterization of hybrid nanoparticles based on chitosan and poly(methacryloylglycylglycine). <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	5
52	An innovative, easily fabricated, silver nanoparticle-based titanium implant coating: development and analytical characterization. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 805-816.	1.9	89
53	Development and analytical characterization of vitamin(s)-loaded chitosan nanoparticles for potential food packaging applications. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	31
54	Analytical characterization and antimicrobial properties of novel copper nanoparticle-loaded electrosynthesized hydrogel coatings. <i>Journal of Bioactive and Compatible Polymers</i> , 2013, 28, 508-522.	0.8	54

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55	Occurrence of Ochratoxin A in the Wild Boar (<i>Sus scrofa</i>): Chemical and Histological Analysis. <i>Toxins</i> , 2012, 4, 1440-1450.	1.5	8
56	Ciprofloxacin-loaded Chitosan Nanoparticles as Titanium Coatings: A Valuable Strategy to Prevent Implant-associated Infections. <i>Nano Biomedicine and Engineering</i> , 2012, 4, .	0.3	17
57	XPS analysis of glassy carbon electrodes chemically modified with 8-hydroxyquinoline-5-sulphonic acid. <i>Surface and Interface Analysis</i> , 2012, 44, 491-496.	0.8	18
58	Dioxirane-Mediated Heterogeneous Epoxidations with Potassium Caroate: A Solid Catalyst Bearing Anchored Ketone Moieties. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4616-4621.	1.2	21
59	Microcantilevers and organic transistors: two promising classes of label-free biosensing devices which can be integrated in electronic circuits. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1799-1811.	1.9	18
60	Evaluation of <i>in vitro</i> degradation of PCL scaffolds fabricated via BioExtrusion – Part 2: Influence of pore size and geometry. <i>Virtual and Physical Prototyping</i> , 2011, 6, 157-165.	5.3	30
61	Characterization and evaluation of chitosan nanoparticles for dopamine brain delivery. <i>International Journal of Pharmaceutics</i> , 2011, 419, 296-307.	2.6	183
62	Dopamine-loaded chitosan nanoparticles: formulation and analytical characterization. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1997-2002.	1.9	62
63	Ciprofloxacin-modified electrosynthesized hydrogel coatings to prevent titanium-implant-associated infections. <i>Acta Biomaterialia</i> , 2011, 7, 882-891.	4.1	93
64	Surface Segregation Assessment In Poly(ϵ -caprolactone)-poly(ethylene glycol) Multiblock Copolymer Films. <i>Macromolecular Bioscience</i> , 2010, 10, 317-327.	2.1	21
65	Hydrolytic and microbial degradation of multi-block polyurethanes based on poly(ϵ -caprolactone)/poly(ethylene glycol) segments. <i>Polymer Degradation and Stability</i> , 2010, 95, 2013-2021.	2.7	34
66	Development and characterization of rhVEGF-loaded poly(HEMA- <i>co</i> -MOEP) coatings electrosynthesized on titanium to enhance bone mineralization and angiogenesis. <i>Acta Biomaterialia</i> , 2010, 6, 282-290.	4.1	39
67	Evaluation of <i>in vitro</i> degradation of PCL scaffolds fabricated via BioExtrusion. Part 1: Influence of the degradation environment. <i>Virtual and Physical Prototyping</i> , 2010, 5, 65-73.	5.3	46
68	Biocompatibility of Poly(Acrylic Acid) Thin Coatings Electro-synthesized onto TiAlV-based Implants. <i>Journal of Bioactive and Compatible Polymers</i> , 2010, 25, 374-391.	0.8	49
69	Cell behaviour on bioactive polymeric coatings. <i>Italian Journal of Anatomy and Embryology</i> , 2010, 115, 127-33.	0.1	2
70	Electrosynthesis of hydrogel films on metal substrates for the development of coatings with tunable drug delivery performances. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 1048-1057.	2.1	34
71	Contact effects in organic thin-film transistor sensors. <i>Organic Electronics</i> , 2009, 10, 233-239.	1.4	51
72	Cerium(IV)oxide modification by inclusion of a hetero-atom: A strategy for producing efficient and robust nano-catalysts for methanol carboxylation. <i>Catalysis Today</i> , 2008, 137, 125-131.	2.2	93

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73	Analytical investigations of poly(acrylic acid) coatings electrodeposited on titanium-based implants: a versatile approach to biocompatibility enhancement. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 2055-2063.	1.9	82
74	A new titanium biofunctionalized interface based on poly(pyrrole-3-acetic acid) coating: proliferation of osteoblast-like cells and future perspectives. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 1781-1789.	1.7	26
75	Electrosynthesis and analytical characterization of PMMA coatings on titanium substrates as barriers against ion release. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 626-633.	1.9	22
76	Synthesis, analytical characterization and bioactivity of Ag and Cu nanoparticles embedded in poly-vinyl-methyl-ketone films. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1912-1918.	1.9	134
77	Surface (XPS, SIMS) chemical investigation on poly(pyrrole-3-acetic acid) films electrosynthesized on Ti and TiAlV substrates for the development of new bioactive substrates. <i>Surface and Interface Analysis</i> , 2005, 37, 580-586.	0.8	21
78	Analytical Characterization of Poly(Pyrrole-3-Carboxylic Acid) Films Electrosynthesised on Pt, Ti and Ti/Al/V Substrates. <i>Annali Di Chimica</i> , 2004, 94, 207-218.	0.6	6
79	Electroanalytical and spectroscopic characterization of poly(o-phenylenediamine) grown on highly oriented pyrolytic graphite. <i>Annali Di Chimica</i> , 2003, 93, 209-21.	0.6	1
80	Electropolymerization of pyrrole on titanium substrates for the future development of new biocompatible surfaces. <i>Biomaterials</i> , 2001, 22, 2609-2616.	5.7	105
81	Spectroscopic investigation on polymer films obtained by oxidation of o-phenylenediamine on platinum electrodes at different pHs. <i>Journal of Materials Chemistry</i> , 2001, 11, 1812-1817.	6.7	77
82	Analytical characterization of collagen- and/or hydroxyapatite-modified polypyrrole films electrosynthesized on Ti-substrates for the development of new bioactive surfaces. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2001, 12, 63-76.	1.9	28
83	A combined XPS-SEM/EDX investigation on explanted UHMW polyethylene acetabular cups: possible role of silicon traces in the wear debris. <i>Journal of Materials Science: Materials in Medicine</i> , 2001, 12, 23-28.	1.7	3
84	Rh ³⁺ and Rh ³⁺ â€“diamine complexes intercalated in Î³-titanium hydrogen phosphate. Synthesis, characterisation and catalytic activity towards aniline oxidative carbonylation processes. <i>Journal of Molecular Catalysis A</i> , 2000, 157, 131-141.	4.8	27
85	Synthesis, analytical characterization, and osteoblast adhesion properties on RGD-grafted polypyrrole coatings on titanium substrates. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2000, 11, 1073-1083.	1.9	160
86	Electrosynthesised thin polymer films: the role of XPS in the design of application oriented innovative materials. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1999, 100, 35-53.	0.8	47
87	Permanent iridium modifier deposited on tungsten and zirconium-treated platforms in electrothermal atomic absorption spectrometry: vaporization of bismuth, silver and tellurium. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1999, 54, 455-467.	1.5	26
88	Development and analytical characterization of cysteine-grafted polypyrrole films electrosynthesized on Pt and Ti-substrates as precursors of bioactive interfaces. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1999, 10, 845-858.	1.9	57