Giovanna Sotgiu

List of Publications by Year
in descending order

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70	2,552	236612	189595
papers	citations	25 h-index	50 g-index

71	71	71	3455
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two Beats One: Osteosarcoma Therapy with Light-Activated and Chemo-Releasing Keratin Nanoformulation in a Preclinical Mouse Model. Pharmaceutics, 2022, 14, 677.	2.0	7
2	Bioactive Keratin and Fibroin Nanoparticles: An Overview of Their Preparation Strategies. Nanomaterials, 2022, 12, 1406.	1.9	9
3	Eco-Sustainable Silk Fibroin/Pomegranate Peel Extract Film as an Innovative Green Material for Skin Repair. International Journal of Molecular Sciences, 2022, 23, 6805.	1.8	1
4	Keratin/Polylactic acid/graphene oxide composite nanofibers for drug delivery. International Journal of Pharmaceutics, 2022, 623, 121888.	2.6	9
5	Magnetic keratin/hydrotalcites sponges as potential scaffolds for tissue regeneration. Applied Clay Science, 2021, 207, 106090.	2.6	15
6	Effects of the Blending Ratio on the Design of Keratin/Poly(butylene succinate) Nanofibers for Drug Delivery Applications. Biomolecules, 2021, 11, 1194.	1.8	22
7	Keratin/Hydrotalcites Hybrid Sponges as Promising Adsorbents for Cationic and Anionic Dyes. Frontiers in Bioengineering and Biotechnology, 2020, 8, 68.	2.0	11
8	Mesenchymal stromal cells mediated delivery of photoactive nanoparticles inhibits osteosarcoma growth in vitro and in a murine in vivo ectopic model. Journal of Experimental and Clinical Cancer Research, 2020, 39, 40.	3.5	37
9	Effect of Chemically Engineered Au/Ag Nanorods on the Optical and Mechanical Properties of Keratin Based Films. Frontiers in Chemistry, 2020, 8, 158.	1.8	6
10	Internalization by PMMA nanoparticle-mediated endocytosis of a survivin molecular beacon as theranostic agent in human cancer cells.. , 2020, , .		0
11	Keratin Film as Natural and Ecoâ€Friendly Support for Organic Optoelectronic Devices. Advanced Sustainable Systems, 2019, 3, 1900080.	2.7	19
12	Unprecedented Behavior of (9R)-9-Hydroxystearic Acid-Loaded Keratin Nanoparticles on Cancer Cell Cycle. Molecular Pharmaceutics, 2019, 16, 931-942.	2.3	14
13	Nano-hybrid electrospun non-woven mats made of wool keratin and hydrotalcites as potential bio-active wound dressings. Nanoscale, 2019, 11, 6422-6430.	2.8	41
14	Organic solvent-free preparation of keratin nanoparticles as doxorubicin carriers for antitumour activity. Materials Science and Engineering C, 2018, 90, 476-484.	3.8	48
15	Polymeric nanoparticles promote endocytosis of a survivin molecular beacon: Localization and fate of nanoparticles and beacon in human A549 cells. Life Sciences, 2018, 215, 106-112.	2.0	8
16	Functionalized Keratin as Nanotechnology-Based Drug Delivery System for the Pharmacological Treatment of Osteosarcoma. International Journal of Molecular Sciences, 2018, 19, 3670.	1.8	34
17	Intercalation of Bioactive Molecules into Nanosized ZnAl Hydrotalcites for Combined Chemo and Photo Cancer Treatment. ACS Applied Nano Materials, 2018, 1, 6387-6397.	2.4	8
18	Anticancer activity of paclitaxel-loaded keratin nanoparticles in two-dimensional and perfused three-dimensional breast cancer models. International Journal of Nanomedicine, 2018, Volume 13, 4847-4867.	3.3	33

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19	Mild and Effective Polymerization of Dopamine on Keratin Films for Innovative Photoactivable and Biocompatible Coated Materials. Macromolecular Materials and Engineering, 2018, 303, 1700653.	1.7	10
20	Keratin-hydrotalcites hybrid films for drug delivery applications. European Polymer Journal, 2018, 105, 177-185.	2.6	50
21	Coreâ€“shell poly-methyl methacrylate nanoparticles covalently functionalized with a non-symmetric porphyrin for anticancer photodynamic therapy. Journal of Photochemistry and Photobiology B: Biology, 2018, 186, 169-177.	1.7	22
22	Molecular beacon-decorated polymethylmethacrylate core-shell fluorescent nanoparticles for the detection of survivin mRNA in human cancer cells. Biosensors and Bioelectronics, 2017, 88, 15-24.	5.3	26
23	Chlorin e6 keratin nanoparticles for photodynamic anticancer therapy. RSC Advances, 2016, 6, 33910-33918.	1.7	27
24	Development of near-infrared photoactivable phthalocyanine-loaded nanoparticles to kill tumor cells: An improved tool for photodynamic therapy of solid cancers. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1885-1897.	1.7	27
25	Developing keratin sponges with tunable morphologies and controlled antioxidant properties induced by doping with polydopamine (PDA) nanoparticles. Materials and Design, 2016, 110, 475-484.	3.3	27
26	Wool Keratin 3D Scaffolds with Light-Triggered Antimicrobial Activity. Biomacromolecules, 2016, 17, 2882-2890.	2.6	21
27	Polymethylmethacrylate Nanoparticles as Vehicle for a Molecular Beacon Specific for Survivin mRNA in A549 Cells. , 2015, , .		0
28	Engineered porphyrin loaded core-shell nanoparticles for selective sonodynamic anticancer treatment. Nanomedicine, 2015, 10, 3483-3494.	1.7	57
29	TPPS supported on coreâ€“shell PMMA nanoparticles: the development of continuous-flow membrane-mediated electrocoagulation as a photocatalyst processing method in aqueous media. Green Chemistry, 2015, 17, 1907-1917.	4.6	15
30	Polymer nanoparticles with electrostatically loaded multicargo for combined cancer phototherapy. Journal of Materials Chemistry B, 2015, 3, 3001-3010.	2.9	18
31	Methylene Blue Doped Films of Wool Keratin with Antimicrobial Photodynamic Activity. ACS Applied Materials & Interfaces, 2015, 7, 17416-17424.	4.0	56
32	Polymethylmethacrylate nanoparticles as carrier of an oligodeoxynucleotide molecular beacon specific for survivin mRNA in A549 human lung adenocarcinoma epithelial cells. , 2015, , .		0
33	Complex Nanostructures Based on Oligonucleotide Optical Switches and Nanoparticles for Intracellular mRNA Sensing and Silencing. Procedia Engineering, 2014, 87, 751-754.	1.2	4
34	Thiophene-Based Compounds as Fluorescent Tags to Study Mesenchymal Stem Cell Uptake and Release of Taxanes. Bioconjugate Chemistry, 2014, 25, 649-655.	1.8	15
35	Intracellular delivery of molecular beacons by PMMA nanoparticles and carbon nanotubes for mRNA sensing. , 2013, , .		2
36	Coreâ€”shell poly-methylmethacrylate nanoparticles as effective carriers of electrostatically loaded anionic porphyrin. Photochemical and Photobiological Sciences, 2013, 12, 760-769.	1.6	15

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37	Mesenchymal stem cells as delivery vehicle of porphyrin loaded nanoparticles: Effective photoinduced in vitro killing of osteosarcoma. Journal of Controlled Release, 2013, 168, 225-237.	4.8	81
38	Oligonucleotide switches and nanomaterials for intracellular mRNA sensing. , 2013, , .		1
39	Polymeric nanoparticles enhance the sonodynamic activity of meso-tetrakis (4-sulfonatophenyl) porphyrin in an in vitro neuroblastoma model. International Journal of Nanomedicine, 2013, 8, 4247.	3.3	37
40	Sulfonates-PMMA nanoparticles conjugates: A versatile system for multimodal application. Bioorganic and Medicinal Chemistry, 2012, 20, 6640-6647.	1.4	14
41	Camptothecin and Thiocamptothecin: the Role of Sulfur in Shifting the Hydrolysis Equilibrium towards the Closed Lactone Form. ChemMedChem, 2011, 6, 1706-1714.	1.6	6
42	Pushâ€“Pull Amino Succinimidyl Ester Thiopheneâ€Based Fluorescent Dyes: Synthesis and Optical Characterization. Chemistry - A European Journal, 2011, 17, 7947-7952.	1.7	21
43	Synthesis of Photostable Amine-Reactive Fluorescent Dyes by Postsynthetic Conversion of Bromide Dithienothiophene Derivatives. Journal of Organic Chemistry, 2007, 72, 4925-4931.	1.7	6
44	Optical Properties ofN-Succinimidyl Bithiophene and the Effects of the Binding to Biomolecules:Â Comparison between Coupled-Cluster and Time-Dependent Density Functional Theory Calculations and Experiments. Journal of Physical Chemistry B, 2006, 110, 18651-18660.	1.2	26
45	Thiophene-based fluorescent markers for the efficient labeling of monoclonal antibodies and oligonucleotides. Journal of Non-Crystalline Solids, 2006, 352, 2465-2467.	1.5	7
46	Bright White Organic Light-Emitting Devices from a Single Active Molecular Material. Advanced Materials, 2005, 17, 34-39.	11.1	252
47	The Versatile Thiophene: An Overview of Recent Research on Thiophene-Based Materials. Advanced Materials, 2005, 17, 1581-1593.	11.1	465
48	Effects of intermolecular interactions on photoluminescence efficiency of crystalline thienylene-S,S-dioxide molecular semiconductors. Organic Electronics, 2004, 5, 129-134.	1.4	10
49	Synthesis, single crystal X-ray structure and optical properties of 3,4-dimethyl-dithieno[2,3-b:3â€²,2â€²-d]thiophene-7,7-dioxide. Tetrahedron, 2003, 59, 5083-5090.	1.0	9
50	Organic single-layer white light-emitting diodes by exciplex emission from spin-coated blends of blue-emitting molecules. Applied Physics Letters, 2003, 82, 334-336.	1.5	112
51	Rigid-Core Fluorescent Oligothiophene-S,S-dioxide Isothiocyanates. Synthesis, Optical Characterization, and Conjugation to Monoclonal Antibodies. Journal of Organic Chemistry, 2003, 68, 1512-1520.	1.7	40
52	Flexible organic distributed feedback structures by soft lithography. Synthetic Metals, 2003, 137, 1057-1058.	2.1	13
53	White emission from organic light emitting diodes based on energy down-convertion mechanisms. Synthetic Metals, 2003, 139, 675-677.	2.1	34
54	Solvent-Free, Microwave-Assisted Synthesis of Thiophene Oligomers via Suzuki Coupling. Journal of Organic Chemistry, 2002, 67, 8877-8884.	1.7	109

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55	Synthesis and optical properties of soluble sexithiophenes with one central head-to-head junction. Tetrahedron, 2002, 58, 2245-2251.	1.0	47
56	Conformational profile, energy barriers and optical properties of quinquethiophene-S,S-dioxides. Tetrahedron, 2002, 58, 10151-10158.	1.0	20
57	Rigid-Core Oligothiophene-S,S-dioxides with High Photoluminescence Efficiencies Both in Solution and in the Solid State. Chemistry of Materials, 2001, 13, 4112-4122.	3.2	113
58	Influence of environment on the excited state deactivation in functionalized quinquethienyl in solution. Synthetic Metals, 2001, 119, 617-618.	2.1	3
59	Thiophene-based oligomers with high photo- and electroluminescence efficiencies across the entire visible range. , 2001, , .		0
60	Thermal Characterization of Sexithiophenes Regioselectively Functionalized with Electron Donor Methylsulfanyl Groups. Macromolecular Chemistry and Physics, 2001, 202, 1878-1882.	1.1	3
61	Influence of the environment on the excited state deactivation in functionalized quinque-thienyls. Journal of Chemical Physics, 2001, 115, 1623-1625.	1.2	19
62	Chemically and thermally stable photo- and electroluminescent thiophene-based materials. , 2000, , .		0
63	Tuning Solid-State Photoluminescence Frequencies and Efficiencies of Oligomers Containing One Central Thiophene-S,S-dioxide Unit. Journal of the American Chemical Society, 2000, 122, 11971-11978.	6.6	146
64	New light-emitting functionalized oligothiophenes. Synthetic Metals, 2000, 115, 47-49.	2.1	9
65	Light-emitting devices with a photoluminescent quinquethiophene derivative as an emitting material. Synthetic Metals, 2000, 111-112, 83-86.	2.1	4
66	Molecular Packing and Photoluminescence Efficiency in Odd-Membered Oligothiophene S,S-Dioxides. Journal of the American Chemical Society, 2000, 122, 9006-9013.	6.6	89
67	Modified Oligothiophenes with High Photo- and Electroluminescence Efficiencies. Advanced Materials, 1999, 11, 1375-1379.	11.1	101
68	New n-dopable thiophene based polymers. Synthetic Metals, 1999, 101, 13-14.	2.1	11
69	Improved synthesis of functionalized sexithiophenes. Tetrahedron, 1997, 53, 9401-9406.	1.0	26
70	Growth by supersonic molecular-beam epitaxy of oligothiophene films with controlled properties. , 0, .		1