

# Giovanna Sotgiu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8899937/publications.pdf>

Version: 2024-02-01

70  
papers

2,552  
citations

236612

25  
h-index

189595

50  
g-index

71  
all docs

71  
docs citations

71  
times ranked

3455  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Versatile Thiophene: An Overview of Recent Research on Thiophene-Based Materials. <i>Advanced Materials</i> , 2005, 17, 1581-1593.	11.1	465
2	Bright White Organic Light-Emitting Devices from a Single Active Molecular Material. <i>Advanced Materials</i> , 2005, 17, 34-39.	11.1	252
3	Tuning Solid-State Photoluminescence Frequencies and Efficiencies of Oligomers Containing One Central Thiophene-S,S-dioxide Unit. <i>Journal of the American Chemical Society</i> , 2000, 122, 11971-11978.	6.6	146
4	Rigid-Core Oligothiophene-S,S-dioxides with High Photoluminescence Efficiencies Both in Solution and in the Solid State. <i>Chemistry of Materials</i> , 2001, 13, 4112-4122.	3.2	113
5	Organic single-layer white light-emitting diodes by exciplex emission from spin-coated blends of blue-emitting molecules. <i>Applied Physics Letters</i> , 2003, 82, 334-336.	1.5	112
6	Solvent-Free, Microwave-Assisted Synthesis of Thiophene Oligomers via Suzuki Coupling. <i>Journal of Organic Chemistry</i> , 2002, 67, 8877-8884.	1.7	109
7	Modified Oligothiophenes with High Photo- and Electroluminescence Efficiencies. <i>Advanced Materials</i> , 1999, 11, 1375-1379.	11.1	101
8	Molecular Packing and Photoluminescence Efficiency in Odd-Membered Oligothiophene S,S-Dioxides. <i>Journal of the American Chemical Society</i> , 2000, 122, 9006-9013.	6.6	89
9	Mesenchymal stem cells as delivery vehicle of porphyrin loaded nanoparticles: Effective photoinduced in vitro killing of osteosarcoma. <i>Journal of Controlled Release</i> , 2013, 168, 225-237.	4.8	81
10	Engineered porphyrin loaded core-shell nanoparticles for selective sonodynamic anticancer treatment. <i>Nanomedicine</i> , 2015, 10, 3483-3494.	1.7	57
11	Methylene Blue Doped Films of Wool Keratin with Antimicrobial Photodynamic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 17416-17424.	4.0	56
12	Keratin-hydroxycalcites hybrid films for drug delivery applications. <i>European Polymer Journal</i> , 2018, 105, 177-185.	2.6	50
13	Organic solvent-free preparation of keratin nanoparticles as doxorubicin carriers for antitumour activity. <i>Materials Science and Engineering C</i> , 2018, 90, 476-484.	3.8	48
14	Synthesis and optical properties of soluble sexithiophenes with one central head-to-head junction. <i>Tetrahedron</i> , 2002, 58, 2245-2251.	1.0	47
15	Nano-hybrid electrospun non-woven mats made of wool keratin and hydroxycalcites as potential bio-active wound dressings. <i>Nanoscale</i> , 2019, 11, 6422-6430.	2.8	41
16	Rigid-Core Fluorescent Oligothiophene-S,S-dioxide Isothiocyanates. Synthesis, Optical Characterization, and Conjugation to Monoclonal Antibodies. <i>Journal of Organic Chemistry</i> , 2003, 68, 1512-1520.	1.7	40
17	Polymeric nanoparticles enhance the sonodynamic activity of meso-tetrakis (4-sulfonatophenyl) porphyrin in an in vitro neuroblastoma model. <i>International Journal of Nanomedicine</i> , 2013, 8, 4247.	3.3	37
18	Mesenchymal stromal cells mediated delivery of photoactive nanoparticles inhibits osteosarcoma growth in vitro and in a murine in vivo ectopic model. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 40.	3.5	37

#	ARTICLE	IF	CITATIONS
19	White emission from organic light emitting diodes based on energy down-conversion mechanisms. <i>Synthetic Metals</i> , 2003, 139, 675-677.	2.1	34
20	Functionalized Keratin as Nanotechnology-Based Drug Delivery System for the Pharmacological Treatment of Osteosarcoma. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3670.	1.8	34
21	Anticancer activity of paclitaxel-loaded keratin nanoparticles in two-dimensional and perfused three-dimensional breast cancer models. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 4847-4867.	3.3	33
22	Chlorin e6 keratin nanoparticles for photodynamic anticancer therapy. <i>RSC Advances</i> , 2016, 6, 33910-33918.	1.7	27
23	Development of near-infrared photoactivable phthalocyanine-loaded nanoparticles to kill tumor cells: An improved tool for photodynamic therapy of solid cancers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1885-1897.	1.7	27
24	Developing keratin sponges with tunable morphologies and controlled antioxidant properties induced by doping with polydopamine (PDA) nanoparticles. <i>Materials and Design</i> , 2016, 110, 475-484.	3.3	27
25	Improved synthesis of functionalized sexithiophenes. <i>Tetrahedron</i> , 1997, 53, 9401-9406.	1.0	26
26	Optical Properties of N-Succinimidyl Bithiophene and the Effects of the Binding to Biomolecules: A Comparison between Coupled-Cluster and Time-Dependent Density Functional Theory Calculations and Experiments. <i>Journal of Physical Chemistry B</i> , 2006, 110, 18651-18660.	1.2	26
27	Molecular beacon-decorated polymethylmethacrylate core-shell fluorescent nanoparticles for the detection of survivin mRNA in human cancer cells. <i>Biosensors and Bioelectronics</i> , 2017, 88, 15-24.	5.3	26
28	Core-shell poly-methyl methacrylate nanoparticles covalently functionalized with a non-symmetric porphyrin for anticancer photodynamic therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 186, 169-177.	1.7	22
29	Effects of the Blending Ratio on the Design of Keratin/Poly(butylene succinate) Nanofibers for Drug Delivery Applications. <i>Biomolecules</i> , 2021, 11, 1194.	1.8	22
30	Push-Pull Amino Succinimidyl Ester Thiophene-Based Fluorescent Dyes: Synthesis and Optical Characterization. <i>Chemistry - A European Journal</i> , 2011, 17, 7947-7952.	1.7	21
31	Wool Keratin 3D Scaffolds with Light-Triggered Antimicrobial Activity. <i>Biomacromolecules</i> , 2016, 17, 2882-2890.	2.6	21
32	Conformational profile, energy barriers and optical properties of quinquethiophene-S,S-dioxides. <i>Tetrahedron</i> , 2002, 58, 10151-10158.	1.0	20
33	Influence of the environment on the excited state deactivation in functionalized quinque-thienyls. <i>Journal of Chemical Physics</i> , 2001, 115, 1623-1625.	1.2	19
34	Keratin Film as Natural and Eco-Friendly Support for Organic Optoelectronic Devices. <i>Advanced Sustainable Systems</i> , 2019, 3, 1900080.	2.7	19
35	Polymer nanoparticles with electrostatically loaded multicargo for combined cancer phototherapy. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3001-3010.	2.9	18
36	Core-shell poly-methylmethacrylate nanoparticles as effective carriers of electrostatically loaded anionic porphyrin. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 760-769.	1.6	15

#	ARTICLE	IF	CITATIONS
37	Thiophene-Based Compounds as Fluorescent Tags to Study Mesenchymal Stem Cell Uptake and Release of Taxanes. <i>Bioconjugate Chemistry</i> , 2014, 25, 649-655.	1.8	15
38	TPPS supported on core-shell PMMA nanoparticles: the development of continuous-flow membrane-mediated electrocoagulation as a photocatalyst processing method in aqueous media. <i>Green Chemistry</i> , 2015, 17, 1907-1917.	4.6	15
39	Magnetic keratin/hydrotalcites sponges as potential scaffolds for tissue regeneration. <i>Applied Clay Science</i> , 2021, 207, 106090.	2.6	15
40	Sulfonates-PMMA nanoparticles conjugates: A versatile system for multimodal application. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 6640-6647.	1.4	14
41	Unprecedented Behavior of (9 <i>R</i> )-9-Hydroxystearic Acid-Loaded Keratin Nanoparticles on Cancer Cell Cycle. <i>Molecular Pharmaceutics</i> , 2019, 16, 931-942.	2.3	14
42	Flexible organic distributed feedback structures by soft lithography. <i>Synthetic Metals</i> , 2003, 137, 1057-1058.	2.1	13
43	New n-dopable thiophene based polymers. <i>Synthetic Metals</i> , 1999, 101, 13-14.	2.1	11
44	Keratin/Hydrotalcites Hybrid Sponges as Promising Adsorbents for Cationic and Anionic Dyes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 68.	2.0	11
45	Effects of intermolecular interactions on photoluminescence efficiency of crystalline thienylene-S,S-dioxide molecular semiconductors. <i>Organic Electronics</i> , 2004, 5, 129-134.	1.4	10
46	Mild and Effective Polymerization of Dopamine on Keratin Films for Innovative Photoactivable and Biocompatible Coated Materials. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700653.	1.7	10
47	New light-emitting functionalized oligothiophenes. <i>Synthetic Metals</i> , 2000, 115, 47-49.	2.1	9
48	Synthesis, single crystal X-ray structure and optical properties of 3,4-dimethyl-dithieno[2,3-b:3',2'-d]thiophene-7,7-dioxide. <i>Tetrahedron</i> , 2003, 59, 5083-5090.	1.0	9
49	Bioactive Keratin and Fibroin Nanoparticles: An Overview of Their Preparation Strategies. <i>Nanomaterials</i> , 2022, 12, 1406.	1.9	9
50	Keratin/Poly(lactic acid)/graphene oxide composite nanofibers for drug delivery. <i>International Journal of Pharmaceutics</i> , 2022, 623, 121888.	2.6	9
51	Polymeric nanoparticles promote endocytosis of a survivin molecular beacon: Localization and fate of nanoparticles and beacon in human A549 cells. <i>Life Sciences</i> , 2018, 215, 106-112.	2.0	8
52	Intercalation of Bioactive Molecules into Nanosized ZnAl Hydrotalcites for Combined Chemo and Photo Cancer Treatment. <i>ACS Applied Nano Materials</i> , 2018, 1, 6387-6397.	2.4	8
53	Thiophene-based fluorescent markers for the efficient labeling of monoclonal antibodies and oligonucleotides. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 2465-2467.	1.5	7
54	Two Beats One: Osteosarcoma Therapy with Light-Activated and Chemo-Releasing Keratin Nanoformulation in a Preclinical Mouse Model. <i>Pharmaceutics</i> , 2022, 14, 677.	2.0	7

#	ARTICLE	IF	CITATIONS
55	Synthesis of Photostable Amine-Reactive Fluorescent Dyes by Postsynthetic Conversion of Bromide Dithienothiophene Derivatives. <i>Journal of Organic Chemistry</i> , 2007, 72, 4925-4931.	1.7	6
56	Camptothecin and Thiocamptothecin: the Role of Sulfur in Shifting the Hydrolysis Equilibrium towards the Closed Lactone Form. <i>ChemMedChem</i> , 2011, 6, 1706-1714.	1.6	6
57	Effect of Chemically Engineered Au/Ag Nanorods on the Optical and Mechanical Properties of Keratin Based Films. <i>Frontiers in Chemistry</i> , 2020, 8, 158.	1.8	6
58	Light-emitting devices with a photoluminescent quinquethiophene derivative as an emitting material. <i>Synthetic Metals</i> , 2000, 111-112, 83-86.	2.1	4
59	Complex Nanostructures Based on Oligonucleotide Optical Switches and Nanoparticles for Intracellular mRNA Sensing and Silencing. <i>Procedia Engineering</i> , 2014, 87, 751-754.	1.2	4
60	Influence of environment on the excited state deactivation in functionalized quinquethienyl in solution. <i>Synthetic Metals</i> , 2001, 119, 617-618.	2.1	3
61	Thermal Characterization of Sexithiophenes Regioselectively Functionalized with Electron Donor Methylsulfanyl Groups. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 1878-1882.	1.1	3
62	Intracellular delivery of molecular beacons by PMMA nanoparticles and carbon nanotubes for mRNA sensing. , 2013, , .		2
63	Oligonucleotide switches and nanomaterials for intracellular mRNA sensing. , 2013, , .		1
64	Growth by supersonic molecular-beam epitaxy of oligothiophene films with controlled properties. , 0, .		1
65	Eco-Sustainable Silk Fibroin/Pomegranate Peel Extract Film as an Innovative Green Material for Skin Repair. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6805.	1.8	1
66	Chemically and thermally stable photo- and electroluminescent thiophene-based materials. , 2000, , .		0
67	Thiophene-based oligomers with high photo- and electroluminescence efficiencies across the entire visible range. , 2001, , .		0
68	Polymethylmethacrylate Nanoparticles as Vehicle for a Molecular Beacon Specific for Survivin mRNA in A549 Cells. , 2015, , .		0
69	Polymethylmethacrylate nanoparticles as carrier of an oligodeoxynucleotide molecular beacon specific for survivin mRNA in A549 human lung adenocarcinoma epithelial cells. , 2015, , .		0
70	Internalization by PMMA nanoparticle-mediated endocytosis of a survivin molecular beacon as theranostic agent in human cancer cells.. , 2020, , .		0