

Gabriele Giancane

List of Publications by Year in descending order

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94
papers

2,040
citations

201385

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301761

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95
times ranked

2818
citing authors

#	ARTICLE	IF	CITATIONS
1	A Stimuli-Responsive Nanocomposite for 3D Anisotropic Cell-Guidance and Magnetic Soft Robotics. <i>Advanced Functional Materials</i> , 2019, 29, 1804647.	7.8	126
2	Supramolecular amplification of amyloid self-assembly by iodination. <i>Nature Communications</i> , 2015, 6, 7574.	5.8	88
3	Aligning Single-Walled Carbon Nanotubes By Means Of Langmuir-Blodgett Film Deposition: Optical, Morphological, and Photoelectrochemical Studies. <i>Advanced Functional Materials</i> , 2010, 20, 2481-2488.	7.8	70
4	State of art in porphyrin Langmuir-Blodgett films as chemical sensors. <i>Advances in Colloid and Interface Science</i> , 2012, 171-172, 17-35.	7.0	65
5	Growth and Characterization of Films Containing Fullerenes and Water Soluble Porphyrins for Solar Energy Conversion Applications. <i>Journal of the American Chemical Society</i> , 2007, 129, 3148-3156.	6.6	58
6	Photocatalytic Degradation of Tetracycline by ZnO/Fe ₂ O ₃ Paramagnetic Nanocomposite Material. <i>Nanomaterials</i> , 2020, 10, 1458.	1.9	56
7	Biocompatible Collagen Paramagnetic Scaffold for Controlled Drug Release. <i>Biomacromolecules</i> , 2015, 16, 2599-2608.	2.6	52
8	Evaluation of Possible Contamination Sources in the ¹⁴ C Analysis of Bone Samples by FTIR Spectroscopy. <i>Radiocarbon</i> , 2007, 49, 201-210.	0.8	46
9	Molecular interactions, characterization and photoactivity of Chlorophyll a/chitosan/2-HP- β -cyclodextrin composite films as functional and active surfaces for ROS production. <i>Food Hydrocolloids</i> , 2016, 58, 98-112.	5.6	45
10	Chlorophyll a in cyclodextrin supramolecular complexes as a natural photosensitizer for photodynamic therapy (PDT) applications. <i>Materials Science and Engineering C</i> , 2018, 85, 47-56.	3.8	42
11	An insight on type I collagen from horse tendon for the manufacture of implantable devices. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 291-306.	3.6	42
12	Enhanced electrical conductivity of collagen films through long-range aligned iron oxide nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2017, 501, 185-191.	5.0	40
13	Langmuir-Schaefer Films for Aligned Carbon Nanotubes Functionalized with a Conjugate Polymer and Photoelectrochemical Response Enhancement. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 153-158.	4.0	38
14	A smart method for the fast and low-cost removal of biogenic amines from beverages by means of iron oxide nanoparticles. <i>RSC Advances</i> , 2015, 5, 18167-18171.	1.7	38
15	Perylene Bisimide Aggregates as Probes for Subnanomolar Discrimination of Aromatic Biogenic Amines. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17079-17089.	4.0	38
16	Enhanced magneto-optical SPR platform for amine sensing based on Zn porphyrin dimers. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 232-238.	4.0	37
17	Photoresponsive multilayer films by assembling cationic amphiphilic cyclodextrins and anionic porphyrins at the air/water interface. <i>Journal of Materials Chemistry</i> , 2007, 17, 1660.	6.7	36
18	Operational parameters affecting the atrazine removal from water by using cyclodextrin based polymers as efficient adsorbents for cleaner technologies. <i>Environmental Technology and Innovation</i> , 2019, 16, 100454.	3.0	36

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19	Adsorption Properties of β - and Hydroxypropyl- β -Cyclodextrins Cross-Linked with Epichlorohydrin in Aqueous Solution. A Sustainable Recycling Strategy in Textile Dyeing Process. <i>Polymers</i> , 2019, 11, 252.	2.0	36
20	Optical and electrical properties of polycarbonate layers implanted by high energy Cu ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 312, 42-47.	0.6	35
21	Drastic nickel ion removal from aqueous solution by curcumin-capped Ag nanoparticles. <i>Nanoscale</i> , 2014, 6, 10113-10117.	2.8	35
22	Site-Sensitive Gas Sensing and Analyte Discrimination in Langmuir-Blodgett Porphyrin Films. <i>Journal of Physical Chemistry C</i> , 2011, 115, 8189-8194.	1.5	33
23	Ethane-Bridged Zn Porphyrins Dimers in Langmuir-SchÄfer Thin Films: Spectroscopic, Morphologic, and Magneto-Optical Surface Plasmon Resonance Characterization. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10734-10742.	1.5	32
24	Spectroscopic Investigation of the Selective Interaction of Mercuric and Cupric Ions with a Porphyrin Active Layer. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12384-12390.	1.5	32
25	The supramolecular design of low-dimensional carbon nano-hybrids encoding a polyoxometalate-bis-pyrene tweezer. <i>Chemical Communications</i> , 2014, 50, 4881-4883.	2.2	30
26	An Alternative Use of Olive Pomace as a Wide-Ranging Bioremediation Strategy to Adsorb and Recover Disperse Orange and Disperse Red Industrial Dyes from Wastewater. <i>Separations</i> , 2017, 4, 29.	1.1	30
27	Enhanced sensing properties of cobalt bis-porphyrin derivative thin films by a magneto-plasmonic-opto-chemical sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 1039-1048.	4.0	29
28	Promising Piezoelectric Properties of New ZnO@Octadecylamine Adduct. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20143-20149.	1.5	27
29	Langmuir-SchÄfer Films of Functional Amphiphilic Nickel(II) and Zinc(II) Schiff Base Complexes. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 5228-5234.	1.0	26
30	SynÄanti conformation switching of a bis-porphyrin derivative at the airÄwater interface and in the solid state as an effective tool for chemical sensing. <i>Soft Matter</i> , 2013, 9, 2302.	1.2	26
31	Detailed investigation of ROS arisen from chlorophyll a /Chitosan based-biofilm. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 142, 239-247.	2.5	25
32	Sub-nanomolar detection of biogenic amines by SERS effect induced by hairy Janus silver nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 265-271.	4.0	25
33	DualÄFunction Multilayers for the Photodelivery of Nitric Oxide and Singlet Oxygen. <i>ChemPhysChem</i> , 2009, 10, 3077-3082.	1.0	23
34	Bichromophoric multilayer films for the light-controlled generation of nitric oxide and singlet oxygen. <i>Journal of Materials Chemistry</i> , 2009, 19, 8253.	6.7	23
35	Functionalized Copper(II)ÄPhthalocyanine in Solution and As Thin Film: Photochemical and Morphological Characterization toward Applications. <i>Langmuir</i> , 2009, 25, 10305-10313.	1.6	22
36	Carbon nanodot-based heterostructures for improving the charge separation and the photocurrent generation. <i>Nanoscale</i> , 2019, 11, 7414-7423.	2.8	22

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37	State of art in the preparation, characterisation and applications of Langmuir-Blodgett films of carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 354, 81-90.	2.3	21
38	Enhancement of Open Circuit Voltage of a ZnO-Based Dye-Sensitized Solar Cell by Means of Piezotronic Effect. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1240-1245.	1.7	21
39	Spectral Database for Postage Stamps by Means of FT-IR Spectroscopy. <i>Analytical Chemistry</i> , 2013, 85, 7085-7093.	3.2	19
40	The role of the central metal ion of ethane-bridged bis-porphyrins in histidine sensing. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 762-770.	5.0	18
41	Ag nanodisks decorated filter paper as a SERS platform for nanomolar tetracycline detection. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 624, 126787.	2.3	18
42	SiO ₂ based nanocomposite for simultaneous magnetic removal and discrimination of small pollutants in water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 633, 127905.	2.3	18
43	QCM sensors for aqueous phenols based on active layers constituted by tetrapyrrolic macrocycle Langmuir films. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 1129-1139.	0.4	17
44	Hydrophobin as a Nanolayer Primer That Enables the Fluorinated Coating of Poorly Reactive Polymer Surfaces. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500170.	1.9	17
45	Gold-chlorophyll a-hybrid nanoparticles and chlorophyll a/cetyltrimethylammonium chloride self-assembled-suprastructures as novel carriers for chlorophyll a delivery in water medium: Photoactivity and photostability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 555-562.	2.5	17
46	SiO ₂ -Coated ZnO Nanoflakes Decorated with Ag Nanoparticles for Photocatalytic Water Oxidation. <i>Chemistry - A European Journal</i> , 2019, 25, 14123-14132.	1.7	17
47	Nanoaggregates of Copper Porphyrine in Floating Layers and Langmuir-Schaefer Films. <i>Langmuir</i> , 2008, 24, 4857-4864.	1.6	16
48	Nitric oxide photoreleasing multilayer films. <i>Journal of Materials Chemistry</i> , 2008, 18, 2437.	6.7	16
49	Conformational switching in bis(zinc porphyrin) Langmuir-Schaefer film as an effective tool for selectively sensing aromatic amines. <i>Journal of Colloid and Interface Science</i> , 2012, 385, 282-284.	5.0	16
50	Spectral characterization of postage stamp printing inks by means of Raman spectroscopy. <i>Analyst</i> , 2015, 140, 1702-1710.	1.7	16
51	A simple approach to synthesize folic acid decorated magnetite@SiO ₂ nanostructures for hyperthermia applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7547-7556.	2.9	16
52	A Multifunctional Nanocomposite Hydrogel for Endoscopic Tracking and Manipulation. <i>Advanced Intelligent Systems</i> , 2020, 2, 1900105.	3.3	16
53	Wet Synthesis of Elongated Hexagonal ZnO Microstructures for Applications as Photo-Piezoelectric Catalysts. <i>Materials</i> , 2020, 13, 2938.	1.3	16
54	Photofunctional multilayer films by assembling naked silver nanoparticles and a tailored nitric oxide photodispenser at water/air interface. <i>Journal of Colloid and Interface Science</i> , 2012, 368, 191-196.	5.0	15

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55	Investigations and application in piezoelectric phenol sensor of Langmuir-Schaefer films of a copper phthalocyanine derivative functionalized with bulky substituents. <i>Journal of Colloid and Interface Science</i> , 2012, 377, 176-183.	5.0	15
56	Synthesis and Characterization of Mixed Iron-Manganese Oxide Nanoparticles and Their Application for Efficient Nickel Ion Removal from Aqueous Samples. <i>Journal of Analytical Methods in Chemistry</i> , 2017, 2017, 1-9.	0.7	15
57	Floating Films of a Nonamphiphilic Porphyrazine at the Air-Water Interface and LS Multilayer Construction and Optical Characterization. <i>Journal of Physical Chemistry B</i> , 2004, 108, 7854-7861.	1.2	14
58	Optical anisotropy readout in solid-state porphyrins for the detection of volatile compounds. <i>Applied Physics Letters</i> , 2009, 95, 091906.	1.5	13
59	Spectroscopic investigations, characterization and chemical sensor application of composite Langmuir-Schaefer films of anthocyanins and oligophenylenevinylene derivatives. <i>Dyes and Pigments</i> , 2012, 94, 156-162.	2.0	13
60	On-Demand Release of Hydrosoluble Drugs from a Paramagnetic Porous Collagen-Based Scaffold. <i>Chemistry - A European Journal</i> , 2017, 23, 1338-1345.	1.7	13
61	Singlet oxygen photo-production by perylene bisimide derivative Langmuir-Schaefer films for photodynamic therapy applications. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 390-401.	5.0	13
62	Fast and safe microwave-assisted glass channel-shaped microstructure fabrication. <i>Lab on A Chip</i> , 2015, 15, 2395-2399.	3.1	12
63	Cellulose-Based Substrate for SERS-Promoted Histamine Picomolar Detection in Beverages. <i>ChemistrySelect</i> , 2019, 4, 2968-2975.	0.7	12
64	Electrochemical and Spectroscopic Behavior of Iron(III) Porphyrazines in Langmuir-Schaefer Films. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11517-11528.	1.2	11
65	Phenol chemisorption onto phthalocyanine thin layers probed by ATR-FTIR difference spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 2161.	1.3	11
66	Ethane-Bridged Bisporphyrin Conformational Changes As an Effective Analytical Tool for Nonenzymatic Detection of Urea in the Physiological Range. <i>Analytical Chemistry</i> , 2018, 90, 6952-6958.	3.2	9
67	Paramagnetic Functionalization of Biocompatible Scaffolds for Biomedical Applications: A Perspective. <i>Bioengineering</i> , 2020, 7, 153.	1.6	9
68	Supramolecular Chiral Discrimination of D-Phenylalanine Amino Acid Based on a Perylene Bisimide Derivative. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 160.	2.0	9
69	Applications of Photoinduced Phenomena in Supramolecularly Arranged Phthalocyanine Derivatives: A Perspective. <i>Molecules</i> , 2020, 25, 3742.	1.7	8
70	Localized and Surface Plasmons Coupling for Ultrasensitive Dopamine Detection by means of SPR-Based Perylene Bisimide/Au Nanostructures Thin Film. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101023.	1.9	8
71	Reconstituted oil bodies characterization at the air/water and at the air/oil/water interfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 12-18.	2.5	7
72	Conformational switching of ethano-bridged Cu ₂ -bis-porphyrin induced by aromatic amines. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 2154-2160.	1.5	7

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73	Spectral investigations on 1000€ banknotes throughout Italian Republic. <i>Vibrational Spectroscopy</i> , 2015, 79, 52-58.	1.2	7
74	Nanocellulose/Fullerene Hybrid Films Assembled at the Air/Water Interface as Promising Functional Materials for Photo-electrocatalysis. <i>Polymers</i> , 2021, 13, 243.	2.0	7
75	Supramolecular organic-inorganic domains integrating fullerene-based acceptors with polyoxometalate-bis-pyrene tweezers for organic photovoltaic applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16290-16297.	2.7	7
76	Optical, morphological and structural characterization of Langmuir-Schaefer films of a functionalized copper phthalocyanine. <i>Journal of Colloid and Interface Science</i> , 2011, 363, 199-205.	5.0	6
77	A comparative study of two amphiphilic merocyanines: from monomers to aggregates in Langmuir and Langmuir-Blodgett mixed films. <i>RSC Advances</i> , 2013, 3, 1468-1475.	1.7	5
78	Highly sensitive conformational switching of ethane-bridged mono-zinc bis-porphyrin as an application tool for rapid monitoring of aqueous ammonia and acetone. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 685-691.	4.0	5
79	Fabrication of anisotropic collagen-based substrates for potential use in tissue engineering. <i>Smart Materials and Structures</i> , 2022, 31, 074001.	1.8	5
80	Zn-Porphyrin Composite Nanostructures as Discriminating Adducts for Metallic Ions in Aqueous Matrices. <i>ChemistrySelect</i> , 2016, 1, 4690-4695.	0.7	4
81	Coffee Grounds-Derived CNPs for Efficient Cr(VI) Water Remediation. <i>Nanomaterials</i> , 2021, 11, 1064.	1.9	4
82	Nickel ion extracellular uptake by the phototrophic bacterium <i>Rhodobacter sphaeroides</i> : new insights from Langmuir modelling and X-ray photoelectron spectroscopic analysis. <i>Applied Surface Science</i> , 2022, 593, 153385.	3.1	4
83	Characterization of Composite Phthalocyanine-Fatty Acid Films from the Air/Water Interface to Solid Supports. <i>Journal of Physical Chemistry B</i> , 2011, 115, 14956-14962.	1.2	3
84	Design and Synthesis of Iron-Doped Nanostructured TiO ₂ and Its Potential Use in the Photodegradation of Hazardous Materials Present in Personal Care Products. <i>ChemistrySelect</i> , 2017, 2, 5095-5099.	0.7	3
85	Chemical design, synthesis and thin film supramolecular architecture for advanced performance chemo- and bio-sensing organic field effect transistors. , 2007, , .		2
86	Enantioselective Discrimination of Histidine by Means of an Achiral Cubane-Bridged Bis-Porphyrin. <i>Langmuir</i> , 2021, 37, 13882-13889.	1.6	2
87	Organic thin film transistors as plastic chiral sensors. , 2008, , .		1
88	Tetrakis-(isopropoxy-carbonyl)-copper-phthalocyanine thin films: deposition, characterization and application. <i>Journal of Porphyrins and Phthalocyanines</i> , 2010, 14, 741-751.	0.4	1
89	Langmuir-Blodgett Films of Porphyrins for Applications in Photovoltaics. <i>Topics in Heterocyclic Chemistry</i> , 2014, , 117-138.	0.2	1
90	Enhanced chemical sensing organic thin-film transistors. , 2007, , .		0

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91	Discrimination of Mercuric Ions in Piezoelectric Sensors with a Conjugated Polymeric Active Layer. Journal of Nanoscience and Nanotechnology, 2014, 14, 6732-6737.	0.9	0
92	Visible light promoted porphyrin-based metal-organic adduct. Journal of Porphyrins and Phthalocyanines, 2020, 24, 758-764.	0.4	0
93	Produzione di ceramiche fini nella Puglia meridionale (IVÂ°-IIIÂ° s. a.C.): il contributo dell'archeometria. , 2021, , 365-381.		0
94	MagnetoPlasmonic Waves/HOMO-LUMO Free ĩ-Electron Transitions Coupling in Organic Macrocycles and Their Effect in Sensing Applications. Chemosensors, 2021, 9, 272.	1.8	0