Gabriele Giancane

List of Publications by Year
in descending order

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94 papers	2,040 citations	201385 27 h-index	301761 39 g-index
95 all docs	95 docs citations	95 times ranked	2818 citing authors

#	Article	IF	Citations
1	SiO2 based nanocomposite for simultaneous magnetic removal and discrimination of small pollutants in water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 633, 127905.	2.3	18
2	Nickel ion extracellular uptake by the phototrophic bacterium Rhodobacter sphaeroides: new insights from Langmuir modelling and X-ray photoelectron spectroscopic analysis. Applied Surface Science, 2022, 593, 153385.	3.1	4
3	Fabrication of anisotropic collagen-based substrates for potential use in tissue engineering. Smart Materials and Structures, 2022, 31, 074001.	1.8	5
4	Nanocellulose/Fullerene Hybrid Films Assembled at the Air/Water Interface as Promising Functional Materials for Photo-electrocatalysis. Polymers, 2021, 13, 243.	2.0	7
5	Coffee Grounds-Derived CNPs for Efficient Cr(VI) Water Remediation. Nanomaterials, 2021, 11, 1064.	1.9	4
6	Produzione di ceramiche fini nella Puglia meridionale (IVÂ°-IIIÂ° s. a.C.): il contributo dellâ€™archeometria. , 2021, , 365-381.		0
7	Ag nanodisks decorated filter paper as a SERS platform for nanomolar tetracycline detection. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 624, 126787.	2.3	18
8	MagnetoPlasmonic Waves/HOMO-LUMO Free Ï€-Electron Transitions Coupling in Organic Macrocycles and Their Effect in Sensing Applications. Chemosensors, 2021, 9, 272.	1.8	0
9	Localized and Surface Plasmons Coupling for Ultrasensitive Dopamine Detection by means of SPRâ€Based Perylene Bisimide/Au Nanostructures Thin Film. Advanced Materials Interfaces, 2021, 8, 2101023.	1.9	8
10	Supramolecular organicâ€“inorganic domains integrating fullerene-based acceptors with polyoxometalate-bis-pyrene tweezers for organic photovoltaic applications. Journal of Materials Chemistry C, 2021, 9, 16290-16297.	2.7	7
11	Enantioselective Discrimination of Histidine by Means of an Achiral Cubane-Bridged Bis-Porphyrin. Langmuir, 2021, 37, 13882-13889.	1.6	2
12	Visible light promoted porphyrin-based metal-organic adduct. Journal of Porphyrins and Phthalocyanines, 2020, 24, 758-764.	0.4	0
13	A Multifunctional Nanocomposite Hydrogel for Endoscopic Tracking and Manipulation. Advanced Intelligent Systems, 2020, 2, 1900105.	3.3	16
14	Photocatalytic Degradation of Tetracycline by ZnO/Î³-Fe2O3 Paramagnetic Nanocomposite Material. Nanomaterials, 2020, 10, 1458.	1.9	56
15	Applications of Photoinduced Phenomena in Supramolecularly Arranged Phthalocyanine Derivatives: A Perspective. Molecules, 2020, 25, 3742.	1.7	8
16	Paramagnetic Functionalization of Biocompatible Scaffolds for Biomedical Applications: A Perspective. Bioengineering, 2020, 7, 153.	1.6	9
17	An insight on type I collagen from horse tendon for the manufacture of implantable devices. International Journal of Biological Macromolecules, 2020, 154, 291-306.	3.6	42
18	Supramolecular Chiral Discrimination of D-Phenylalanine Amino Acid Based on a Perylene Bisimide Derivative. Frontiers in Bioengineering and Biotechnology, 2020, 8, 160.	2.0	9

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19	Wet Synthesis of Elongated Hexagonal ZnO Microstructures for Applications as Photo-Piezoelectric Catalysts. Materials, 2020, 13, 2938.	1.3	16
20	SiO₂â€Coated ZnO Nanoflakes Decorated with Ag Nanoparticles for Photocatalytic Water Oxidation. Chemistry - A European Journal, 2019, 25, 14123-14132.	1.7	17
21	Operational parameters affecting the atrazine removal from water by using cyclodextrin based polymers as efficient adsorbents for cleaner technologies. Environmental Technology and Innovation, 2019, 16, 100454.	3.0	36
22	Singlet oxygen photo-production by perylene bisimide derivative Langmuir-Schaefer films for photodynamic therapy applications. Journal of Colloid and Interface Science, 2019, 553, 390-401.	5.0	13
23	Celluloseâ€Based Substrate for SERSâ€Promoted Histamine Picomolar Detection in Beverages. ChemistrySelect, 2019, 4, 2968-2975.	0.7	12
24	Carbon nanodot-based heterostructures for improving the charge separation and the photocurrent generation. Nanoscale, 2019, 11, 7414-7423.	2.8	22
25	Perylene Bisimide Aggregates as Probes for Subnanomolar Discrimination of Aromatic Biogenic Amines. ACS Applied Materials & Interfaces, 2019, 11, 17079-17089.	4.0	38
26	Adsorption Properties of Î²- and Hydroxypropyl-Î²-Cyclodextrins Cross-Linked with Epichlorohydrin in Aqueous Solution. A Sustainable Recycling Strategy in Textile Dyeing Process. Polymers, 2019, 11, 252.	2.0	36
27	The role of the central metal ion of ethane-bridged bis-porphyrins in histidine sensing. Journal of Colloid and Interface Science, 2019, 533, 762-770.	5.0	18
28	A Stimuliâ€Responsive Nanocomposite for 3D Anisotropic Cellâ€Guidance and Magnetic Soft Robotics. Advanced Functional Materials, 2019, 29, 1804647.	7.8	126
29	Sub-nanomolar detection of biogenic amines by SERS effect induced by hairy Janus silver nanoparticles. Sensors and Actuators B: Chemical, 2018, 267, 265-271.	4.0	25
30	Chlorophyll a in cyclodextrin supramolecular complexes as a natural photosensitizer for photodynamic therapy (PDT) applications. Materials Science and Engineering C, 2018, 85, 47-56.	3.8	42
31	Ethane-Bridged Bisporphyrin Conformational Changes As an Effective Analytical Tool for Nonenzymatic Detection of Urea in the Physiological Range. Analytical Chemistry, 2018, 90, 6952-6958.	3.2	9
32	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. Colloids and Surfaces B: Biointerfaces, 2018, 161, 555-562.	2.5	17
33	Highly sensitive conformational switching of ethane-bridged mono-zinc bis-porphyrin as an application tool for rapid monitoring of aqueous ammonia and acetone. Sensors and Actuators B: Chemical, 2018, 257, 685-691.	4.0	5
34	Enhanced sensing properties of cobalt bis-porphyrin derivative thin films by a magneto-plasmonic-opto-chemical sensor. Sensors and Actuators B: Chemical, 2017, 246, 1039-1048.	4.0	29
35	Enhanced electrical conductivity of collagen films through long-range aligned iron oxide nanoparticles. Journal of Colloid and Interface Science, 2017, 501, 185-191.	5.0	40
36	A simple approach to synthetize folic acid decorated magnetite@SiO₂ nanostructures for hyperthermia applications. Journal of Materials Chemistry B, 2017, 5, 7547-7556.	2.9	16

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37	Design and Synthesis of Ironâ€Doped Nanostructured TiO₂ and Its Potential Use in the Photodegration of Hazardous Materials Present in Personal Care Products. ChemistrySelect, 2017, 2, 5095-5099.	0.7	3
38	Onâ€Demand Release of Hydrosoluble Drugs from a Paramagnetic Porous Collagenâ€Based Scaffold. Chemistry - A European Journal, 2017, 23, 1338-1345.	1.7	13
39	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. Separations, 2017, 4, 29.	1.1	30
40	Synthesis and Characterization of Mixed Iron-Manganese Oxide Nanoparticles and Their Application for Efficient Nickel Ion Removal from Aqueous Samples. Journal of Analytical Methods in Chemistry, 2017, 2017, 1-9.	0.7	15
41	Detailed investigation of ROS arisen from chlorophyll a /Chitosan based-biofilm. Colloids and Surfaces B: Biointerfaces, 2016, 142, 239-247.	2.5	25
42	ZnOâ€Porphyrin Composite Nanostructures as Discriminating Adducts for Metallic Ions in Aqueous Matrices. ChemistrySelect, 2016, 1, 4690-4695.	0.7	4
43	Enhancement of Open Circuit Voltage of a ZnOâ€Based Dyeâ€Sensitized Solar Cell by Means of Piezotronic Effect. Chemistry - an Asian Journal, 2016, 11, 1240-1245.	1.7	21
44	Molecular interactions, characterization and photoactivity of Chlorophyll a/chitosan/2-HP-Î²-cyclodextrin composite films as functional and active surfaces for ROS production. Food Hydrocolloids, 2016, 58, 98-112.	5.6	45
45	Hydrophobin as a Nanolayer Primer That Enables the Fluorinated Coating of Poorly Reactive Polymer Surfaces. Advanced Materials Interfaces, 2015, 2, 1500170.	1.9	17
46	Conformational switching of ethano-bridged Cu,H₂-bis-porphyrin induced by aromatic amines. Beilstein Journal of Nanotechnology, 2015, 6, 2154-2160.	1.5	7
47	Fast and safe microwave-assisted glass channel-shaped microstructure fabrication. Lab on A Chip, 2015, 15, 2395-2399.	3.1	12
48	A smart method for the fast and low-cost removal of biogenic amines from beverages by means of iron oxide nanoparticles. RSC Advances, 2015, 5, 18167-18171.	1.7	38
49	Spectral characterization of postage stamp printing inks by means of Raman spectroscopy. Analyst, The, 2015, 140, 1702-1710.	1.7	16
50	Spectral investigations on 1000Â£ banknotes throughout Italian Republic. Vibrational Spectroscopy, 2015, 79, 52-58.	1.2	7
51	Supramolecular amplification of amyloid self-assembly by iodination. Nature Communications, 2015, 6, 7574.	5.8	88
52	Biocompatible Collagen Paramagnetic Scaffold for Controlled Drug Release. Biomacromolecules, 2015, 16, 2599-2608.	2.6	52
53	Promising Piezoelectric Properties of New ZnO@Octadecylamine Adduct. Journal of Physical Chemistry C, 2015, 119, 20143-20149.	1.5	27
54	Spectroscopic Investigation of the Selective Interaction of Mercuric and Cupric Ions with a Porphyrin Active Layer. Journal of Physical Chemistry C, 2014, 118, 12384-12390.	1.5	32

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55	The supramolecular design of low-dimensional carbon nano-hybrids encoding a polyoxometalate-bis-pyrene tweezer. Chemical Communications, 2014, 50, 4881-4883.	2.2	30
56	Reconstituted oil bodies characterization at the air/water and at the air/oil/water interfaces. Colloids and Surfaces B: Biointerfaces, 2014, 122, 12-18.	2.5	7
57	Langmuirâ€“Schaefer Films for Aligned Carbon Nanotubes Functionalized with a Conjugate Polymer and Photoelectrochemical Response Enhancement. ACS Applied Materials & Interfaces, 2014, 6, 153-158.	4.0	38
58	Drastic nickel ion removal from aqueous solution by curcumin-capped Ag nanoparticles. Nanoscale, 2014, 6, 10113-10117.	2.8	35
59	Langmuirâ€“Blodgett Films of Porphyrins for Applications in Photovoltaics. Topics in Heterocyclic Chemistry, 2014, , 117-138.	0.2	1
60	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
61	A comparative study of two amphiphilic merocyanines: from monomers to aggregates in Langmuir and Langmuirâ€“Blodgett mixed films. RSC Advances, 2013, 3, 1468-1475.	1.7	5
62	Spectral Database for Postage Stamps by Means of FT-IR Spectroscopy. Analytical Chemistry, 2013, 85, 7085-7093.	3.2	19
63	Enhanced magneto-optical SPR platform for amine sensing based on Zn porphyrin dimers. Sensors and Actuators B: Chemical, 2013, 182, 232-238.	4.0	37
64	Optical and electrical properties of polycarbonate layers implanted by high energy Cu ions. Nuclear Instruments & Methods in Physics Research B, 2013, 312, 42-47.	0.6	35
65	Synâ€“anti conformation switching of a bis-porphyrin derivative at the airâ€“water interface and in the solid state as an effective tool for chemical sensing. Soft Matter, 2013, 9, 2302.	1.2	26
66	Conformational switching in bis(zinc porphyrin) Langmuirâ€“Schaefer film as an effective tool for selectively sensing aromatic amines. Journal of Colloid and Interface Science, 2012, 385, 282-284.	5.0	16
67	Ethane-Bridged Zn Porphyrins Dimers in Langmuirâ€“SchÃfer Thin Films: Spectroscopic, Morphologic, and Magneto-Optical Surface Plasmon Resonance Characterization. Journal of Physical Chemistry C, 2012, 116, 10734-10742.	1.5	32
68	State of art in porphyrin Langmuirâ€“Blodgett films as chemical sensors. Advances in Colloid and Interface Science, 2012, 171-172, 17-35.	7.0	65
69	Spectroscopic investigations, characterization and chemical sensor application of composite Langmuirâ€“SchÃfer films of anthocyanins and oligophenylenevinylene derivatives. Dyes and Pigments, 2012, 94, 156-162.	2.0	13
70	Photofunctional multilayer films by assembling naked silver nanoparticles and a tailored nitric oxide photodispenser at water/air interface. Journal of Colloid and Interface Science, 2012, 368, 191-196.	5.0	15
71	Investigations and application in piezoelectric phenol sensor of Langmuirâ€“SchÃfer films of a copper phthalocyanine derivative functionalized with bulky substituents. Journal of Colloid and Interface Science, 2012, 377, 176-183.	5.0	15
72	Characterization of Composite Phthalocyanineâ€“Fatty Acid Films from the Air/Water Interface to Solid Supports. Journal of Physical Chemistry B, 2011, 115, 14956-14962.	1.2	3

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73	Site-Sensitive Gas Sensing and Analyte Discrimination in Langmuirâ˜Blodgett Porphyrin Films. Journal of Physical Chemistry C, 2011, 115, 8189-8194.	1.5	33
74	Optical, morphological and structural characterization of Langmuirâ€“Schaefer films of a functionalized copper phthalocyanine. Journal of Colloid and Interface Science, 2011, 363, 199-205.	5.0	6
75	Aligning Singleâ€Walled Carbon Nanotubes By Means Of Langmuirâ€“Blodgett Film Deposition: Optical, Morphological, and Photoâ€electrochemical Studies. Advanced Functional Materials, 2010, 20, 2481-2488.	7.8	70
76	State of art in the preparation, characterisation and applications of Langmuirâ€“Blodgett films of carbon nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 354, 81-90.	2.3	21
77	Tetrakis-(isopropoxy-carbonyl)-copper-phthalocyanine thin films: deposition, characterization and application. Journal of Porphyrins and Phthalocyanines, 2010, 14, 741-751.	0.4	1
78	Optical anisotropy readout in solid-state porphyrins for the detection of volatile compounds. Applied Physics Letters, 2009, 95, 091906.	1.5	13
79	QCM sensors for aqueous phenols based on active layers constituted by tetrapyrrolic macrocycle Langmuir films. Journal of Porphyrins and Phthalocyanines, 2009, 13, 1129-1139.	0.4	17
80	Dualâ€Function Multilayers for the Photodelivery of Nitric Oxide and Singlet Oxygen. ChemPhysChem, 2009, 10, 3077-3082.	1.0	23
81	Functionalized Copper(II)â˜Phthalocyanine in Solution and As Thin Film: Photochemical and Morphological Characterization toward Applications. Langmuir, 2009, 25, 10305-10313.	1.6	22
82	Phenol chemisorption onto phthalocyanine thin layers probed by ATR-FTIR difference spectroscopy. Physical Chemistry Chemical Physics, 2009, 11, 2161.	1.3	11
83	Bichromophoric multilayer films for the light-controlled generation of nitric oxide and singlet oxygen. Journal of Materials Chemistry, 2009, 19, 8253.	6.7	23
84	Langmuir-SchÃfer Films of Functional Amphiphilic Nickel(II) and Zinc(II) Schiff Base Complexes. European Journal of Inorganic Chemistry, 2008, 2008, 5228-5234.	1.0	26
85	Nanoaggregates of Copper Porphyrazine in Floating Layers and Langmuirâ˜Schaefer Films. Langmuir, 2008, 24, 4857-4864.	1.6	16
86	Electrochemical and Spectroscopic Behavior of Iron(III) Porphyrazines in Langmuirâ˜SchÃfer Films. Journal of Physical Chemistry B, 2008, 112, 11517-11528.	1.2	11
87	Nitric oxide photoreleasing multilayer films. Journal of Materials Chemistry, 2008, 18, 2437.	6.7	16
88	Organic thin film transistors as plastic chiral sensors. , 2008, , .		1
89	Chemical design, synthesis and thin film supramolecular architecture for advanced performance chemo- and bio-sensing organic field effect transistors. , 2007, , .		2
90	Enhanced chemical sensing organic thin-film transistors. , 2007, , .		0

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91	Photoresponsive multilayer films by assembling cationic amphiphilic cyclodextrins and anionic porphyrins at the air/water interface. Journal of Materials Chemistry, 2007, 17, 1660.	6.7	36
92	Growth and Characterization of Films Containing Fullerenes and Water Soluble Porphyrins for Solar Energy Conversion Applications. Journal of the American Chemical Society, 2007, 129, 3148-3156.	6.6	58
93	Evaluation of Possible Contamination Sources in the ¹⁴C Analysis of Bone Samples by FTIR Spectroscopy. Radiocarbon, 2007, 49, 201-210.	0.8	46
94	Floating Films of a Nonamphiphilic Porphyrazine at the Airâˆ'Water Interface and LS Multilayer Construction and Optical Characterization. Journal of Physical Chemistry B, 2004, 108, 7854-7861.	1.2	14