

# Simona Bettini

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

1,123  
citations

361296

20  
h-index

454834

30  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1615  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of processing on structural, mechanical and biological properties of collagen-based substrates for regenerative medicine. <i>Scientific Reports</i> , 2018, 8, 1429.	1.6	80
2	Photocatalytic Degradation of Tetracycline by ZnO/ $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Paramagnetic Nanocomposite Material. <i>Nanomaterials</i> , 2020, 10, 1458.	1.9	56
3	Biocompatible Collagen Paramagnetic Scaffold for Controlled Drug Release. <i>Biomacromolecules</i> , 2015, 16, 2599-2608.	2.6	52
4	Administration of Reconstituted Polyphenol Oil Bodies Efficiently Suppresses Dendritic Cell Inflammatory Pathways and Acute Intestinal Inflammation. <i>PLoS ONE</i> , 2014, 9, e88898.	1.1	46
5	Tailoring the sensing abilities of carbon nanodots obtained from olive solid wastes. <i>Carbon</i> , 2020, 167, 696-708.	5.4	46
6	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
7	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
8	Perylene Bisimide Aggregates as Probes for Subnanomolar Discrimination of Aromatic Biogenic Amines. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 17079-17089.	4.0	38
9	Antitumor activity of the dietary diterpene carnosol against a panel of human cancer cell lines. <i>Food and Function</i> , 2014, 5, 1261.	2.1	37
10	Drastic nickel ion removal from aqueous solution by curcumin-capped Ag nanoparticles. <i>Nanoscale</i> , 2014, 6, 10113-10117.	2.8	35
11	Sub- and Supramolecular X-ray Characterization of Engineered Tissues from Equine Tendon, Bovine Dermis, and Fish Skin Type I Collagen. <i>Macromolecular Bioscience</i> , 2020, 20, e2000017.	2.1	34
12	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
13	Promising Piezoelectric Properties of New ZnO@Octadecylamine Adduct. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20143-20149.	1.5	27
14	Plant Oil Bodies: Novel Carriers to Deliver Lipophilic Molecules. <i>Applied Biochemistry and Biotechnology</i> , 2011, 163, 792-802.	1.4	26
15	Enhanced Solar-Driven Applications of ZnO@Ag Patchy Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27199-27206.	1.5	25
16	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
17	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
18	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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19	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
20	Efficient stabilization of natural curcuminoids mediated by oil body encapsulation. <i>RSC Advances</i> , 2013, 3, 5422.	1.7	21
21	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
22	A sustainable multi-function biomorphic material for pollution remediation or UV absorption: Aerosol assisted preparation of highly porous ZnO-based materials from cork templates. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102936.	3.3	19
23	Investigations of Processing-Induced Structural Changes in Horse Type-I Collagen at Sub and Supramolecular Levels. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 203.	2.0	18
24	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
25	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
26	SiO <sub>2</sub> 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
27	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
28	SiO <sub>2</sub> -Coated ZnO Nanoflakes Decorated with Ag Nanoparticles for Photocatalytic Water Oxidation. <i>Chemistry - A European Journal</i> , 2019, 25, 14123-14132.	1.7	17
29	A simple approach to synthesize folic acid decorated magnetite@SiO <sub>2</sub> nanostructures for hyperthermia applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7547-7556.	2.9	16
30	Wet Synthesis of Elongated Hexagonal ZnO Microstructures for Applications as Photo-Piezoelectric Catalysts. <i>Materials</i> , 2020, 13, 2938.	1.3	16
31	Human Hepatocarcinoma Cell Targeting by Glypican-3 Ligand Peptide Functionalized Silica Nanoparticles: Implications for Ultrasound Molecular Imaging. <i>Langmuir</i> , 2017, 33, 4490-4499.	1.6	15
32	An SPR based immunoassay for the sensitive detection of the soluble epithelial marker E-cadherin. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1963-1971.	1.7	15
33	Carbon-dots conductometric sensor for high performance gas sensing. <i>Carbon Trends</i> , 2021, 5, 100105.	1.4	14
34	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
35	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
36	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

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37	Cellulose-Based Substrate for SERS-Promoted Histamine Picomolar Detection in Beverages. <i>ChemistrySelect</i> , 2019, 4, 2968-2975.	0.7	12
38	Improving 2D-organization of fullerene Langmuir-SchÄfer thin films by interaction with cellulose nanocrystals. <i>Carbon</i> , 2020, 167, 906-917.	5.4	12
39	IR signatures of the metal centres of bovine cytochrome <i>c</i> oxidase: assignments and redox-linkage. <i>Biochemical Society Transactions</i> , 2013, 41, 1242-1248.	1.6	11
40	Stimulatory Effects of Methyl-Î-cyclodextrin on Spiramycin Production and Physical-Chemical Characterization of Nonhost@Guest Complexes. <i>ACS Omega</i> , 2018, 3, 2470-2478.	1.6	9
41	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
42	Paramagnetic Functionalization of Biocompatible Scaffolds for Biomedical Applications: A Perspective. <i>Bioengineering</i> , 2020, 7, 153.	1.6	9
43	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
44	Assessment of physico-chemical and biological properties of sericin-collagen substrates for PNS regeneration. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 403-413.	1.8	9
45	Applications of Photoinduced Phenomena in Supramolecularly Arranged Phthalocyanine Derivatives: A Perspective. <i>Molecules</i> , 2020, 25, 3742.	1.7	8
46	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
47	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
48	Conformational switching of ethano-bridged Cu <sub>2</sub> -bis-porphyrin induced by aromatic amines. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 2154-2160.	1.5	7
49	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
50	Integration of PLGA Microparticles in Collagen-Based Matrices: Tunable Scaffold Properties and Interaction Between Microparticles and Human Epithelial-Like Cells. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020, 69, 137-147.	1.8	5
51	Zn-Porphyrin Composite Nanostructures as Discriminating Adducts for Metallic Ions in Aqueous Matrices. <i>ChemistrySelect</i> , 2016, 1, 4690-4695.	0.7	4
52	Coffee Grounds-Derived CNPs for Efficient Cr(VI) Water Remediation. <i>Nanomaterials</i> , 2021, 11, 1064.	1.9	4
53	Poly(l-lactide-co-caprolactone-co-glycolide)-Based Nanoparticles as Delivery Platform: Effect of the Surfactants on Characteristics and Delivery Efficiency. <i>Nanomaterials</i> , 2022, 12, 1550.	1.9	4
54	Enantioselective Discrimination of Histidine by Means of an Achiral Cubane-Bridged Bis-Porphyrin. <i>Langmuir</i> , 2021, 37, 13882-13889.	1.6	2

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55	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
56	Visible light promoted porphyrin-based metal-organic adduct. Journal of Porphyrins and Phthalocyanines, 2020, 24, 758-764.	0.4	0
57	MagnetoPlasmonic Waves/HOMO-LUMO Free $\pi$ -Electron Transitions Coupling in Organic Macrocycles and Their Effect in Sensing Applications. Chemosensors, 2021, 9, 272.	1.8	0