

Sonja Visentin

List of Publications by Year in descending order

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52
papers

1,027
citations

471509

17
h-index

454955

30
g-index

54
all docs

54
docs citations

54
times ranked

1411
citing authors

#	ARTICLE	IF	CITATIONS
1	New 1,4-Dihydropyridines Conjugated to Furoxanyl Moieties, Endowed with Both Nitric Oxide-like and Calcium Channel Antagonist Vasodilator Activities. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 5393-5401.	6.4	106
2	Determination of carnosine, anserine, homocarnosine, pentosidine and thiobarbituric acid reactive substances contents in meat from different animal species. <i>Food Chemistry</i> , 2011, 126, 1939-1947.	8.2	99
3	Effect of cooking method on carnosine and its homologues, pentosidine and thiobarbituric acid-reactive substance contents in beef and turkey meat. <i>Food Chemistry</i> , 2012, 132, 80-85.	8.2	64
4	Squaraines bearing halogenated moieties as anticancer photosensitizers: Synthesis, characterization and biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2016, 113, 187-197.	5.5	50
5	Design and synthesis of symmetrical pentamethine cyanine dyes as NIR photosensitizers for PDT. <i>Dyes and Pigments</i> , 2019, 160, 806-813.	3.7	50
6	New 1,4-Dihydropyridines Endowed with NO-Donor and Calcium Channel Agonist Properties. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 2688-2693.	6.4	46
7	NO donor and biological properties of different benzofuroxans. <i>Pharmaceutical Research</i> , 1999, 16, 956-960.	3.5	45
8	Synthesis and Voltage-Clamp Studies of Methyl 1,4-Dihydro-2,6-dimethyl-5-nitro-4-(benzofurazanyl)pyridine-3-carboxylate Racemates and Enantiomers and of Their Benzofuroxanyl Analogues. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 1422-1427.	6.4	38
9	Mucin-drugs interaction: The case of theophylline, prednisolone and cephalexin. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 6581-6586.	3.0	29
10	Disassembling the complexity of mucus barriers to develop a fast screening tool for early drug discovery. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4940-4952.	5.8	27
11	Squaraine Dyes: Interaction with Bovine Serum Albumin to Investigate Supramolecular Adducts with Aggregation-Induced Emission (AIE) Properties. <i>Chemistry - an Asian Journal</i> , 2019, 14, 896-903.	3.3	27
12	Exploring gold nanoparticles interaction with mucins: A spectroscopic-based study. <i>International Journal of Pharmaceutics</i> , 2018, 535, 438-443.	5.2	26
13	Targeted dose enhancement in radiotherapy for breast cancer using gold nanoparticles, part 1: A radiobiological model study. <i>Medical Physics</i> , 2017, 44, 1983-1992.	3.0	24
14	Polymethine dyes for PDT: recent advances and perspectives to drive future applications. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 397-419.	2.9	23
15	GRIND-based 3D-QSAR and CoMFA to investigate topics dominated by hydrophobic interactions: The case of hERG K ⁺ channel blockers. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 1926-1932.	5.5	21
16	The different kinetic behavior of two potential photosensitizers for PDT. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 299, 38-43.	3.9	19
17	From tissue engineering to engineering tissues: the role and application of <i>in vitro</i> models. <i>Biomaterials Science</i> , 2021, 9, 70-83.	5.4	19
18	Microwave-assisted Maillard reactions for the preparation of advanced glycation end products (AGEs). <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2473.	2.8	18

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19	Mucin binding to therapeutic molecules: The case of antimicrobial agents used in cystic fibrosis. <i>International Journal of Pharmaceutics</i> , 2019, 564, 136-144.	5.2	18
20	Interaction of squaraine dyes with proteins: Looking for more efficient fluorescent turn-on probes. <i>Dyes and Pigments</i> , 2021, 184, 108873.	3.7	18
21	Application of 3D Mass Spectrometry Imaging to TKIs. <i>Clinical Pharmacology and Therapeutics</i> , 2017, 102, 748-751.	4.7	17
22	A sensitive and practical fluorimetric test for CNT acidic site determination. <i>Chemical Communications</i> , 2010, 46, 1443.	4.1	16
23	Insight into the interaction of inhaled corticosteroids with human serum albumin: A spectroscopic-based study. <i>Journal of Pharmaceutical Analysis</i> , 2018, 8, 37-44.	5.3	16
24	Studies on agents with mixed NO-dependent and calcium channel antagonistic vasodilating activities. <i>Pharmaceutical Research</i> , 2001, 18, 157-165.	3.5	15
25	Searching for balanced hybrid NO-donor 1,4-dihydropyridines with basic properties. <i>Pharmaceutical Research</i> , 2001, 18, 987-991.	3.5	14
26	Cystic Fibrosis Mucus Model to Design More Efficient Drug Therapies. <i>Molecular Pharmaceutics</i> , 2022, 19, 520-531.	4.6	14
27	Drug release kinetics from biodegradable UV-transparent hollow calcium-phosphate glass fibers. <i>Materials Letters</i> , 2017, 191, 116-118.	2.6	13
28	A Nanostructured Matrices Assessment to Study Drug Distribution in Solid Tumor Tissues by Mass Spectrometry Imaging. <i>Nanomaterials</i> , 2017, 7, 71.	4.1	13
29	Squaraine dyes as fluorescent turn-on sensors for the detection of porcine gastric mucin: A spectroscopic and kinetic study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 205, 111838.	3.8	13
30	Profile of the intermolecular forces governing the interaction of drugs with mucin. <i>International Journal of Pharmaceutics</i> , 2015, 488, 67-69.	5.2	12
31	Nitroanilines are the reduction products of benzofuroxan system by oxyhemoglobin (HbO ₂ ⁺). <i>Farmaco</i> , 2001, 56, 799-802.	0.9	11
32	Functionalization of Single-Walled Carbon Nanotubes through 1,3-Cycloaddition of Carbonyl Ylides under Microwave Irradiation. <i>Synlett</i> , 2012, 23, 1459-1462.	1.8	9
33	Effect of dietary supplementation of vitamin E in pigs to prevent the formation of carcinogenic substances in meat products. <i>Journal of Food Composition and Analysis</i> , 2013, 30, 67-72.	3.9	9
34	Mucosomes: Intrinsically Mucoadhesive Glycosylated Mucin Nanoparticles as Multi-Drug Delivery Platform. <i>Advanced Healthcare Materials</i> , 2022, 11, .	7.6	9
35	A transient kinetic study between signaling proteins: the case of the MEK-ERK interaction. <i>Chemical Science</i> , 2011, 2, 1804.	7.4	8
36	Photodynamic activity of thiophene-derived lysosome-specific dyes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 158, 16-22.	3.8	7

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37	Nanomaterial-protein interactions: the case of pristine and functionalized carbon nanotubes and porcine gastric mucin. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	7
38	Polymethine dyes-loaded solid lipid nanoparticles (SLN) as promising photosensitizers for biomedical applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 271, 120909.	3.9	7
39	Resolution of some 4-benzofurazanyl and 4-benzofuroxanyl 1,4-dihydropyridine derivatives by chiral HPLC on Whelk-o1 and some polysaccharide chiral stationary phases. , 1999, 11, 602-608.		6
40	Ligand-based design, in silico ADME-Tox filtering, synthesis and biological evaluation to discover new soluble 1,4-DHP-based CFTR activators. <i>European Journal of Medicinal Chemistry</i> , 2012, 55, 188-194.	5.5	6
41	Targeted dose enhancement in radiotherapy for breast cancer using gold nanoparticles, part 2: A treatment planning study. <i>Medical Physics</i> , 2017, 44, 1993-2001.	3.0	6
42	Unveiling the interaction between PDT active squaraines with ctDNA: A spectroscopic study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 250, 119224.	3.9	6
43	A PI3K ^{Î³} mimetic peptide triggers CFTR gating, bronchodilation, and reduced inflammation in obstructive airway diseases. <i>Science Translational Medicine</i> , 2022, 14, eabl6328.	12.4	6
44	Platelet antiaggregatory effects and haemodynamic activity of two terfuroxan isomer pairs. <i>Il Farmaco</i> , 2002, 57, 417-420.	0.9	4
45	Modeling ErbB2-p130Cas interaction to design new potential anticancer agents. <i>Scientific Reports</i> , 2019, 9, 3089.	3.3	4
46	Bioinspired in vitro intestinal mucus model for 3D-dynamic culture of bacteria. , 2022, 139, 213022.		4
47	Thermolysis of 4-(2-azido-3-nitrophenyl)-1,4-dihydropyridines as source of Î²-carboline derivatives and some related compounds. <i>Tetrahedron Letters</i> , 2001, 42, 4507-4510.	1.4	3
48	Multivariate analysis applied to Raman mapping of dye-functionalized carbon nanotubes: a novel approach to support the rational design of functional nanostructures. <i>Analyst</i> , The, 2015, 140, 5754-5763.	3.5	3
49	Acid-base and lipophilic properties of peptide nucleic acid derivatives. <i>Journal of Pharmaceutical Analysis</i> , 2021, 11, 638-645.	5.3	2
50	Hollow resorbable fiber for combined light and drug delivery: fiber development and analysis of release kinetics. , 2017, , .		0
51	Hydrogel-based platforms to mimic in vivo drug diffusion: A multicenter research. <i>Biomedical Science and Engineering</i> , 2020, 3, .	0.0	0
52	Molecular insight into drugs binding to ctDNA: the fluorescence fast kinetic analysis of diclofenac and pentamidine. <i>Monatshefte für Chemie</i> , 2022, 153, 105-111.	1.8	0