

Gloria Castellano Estornell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1093542/publications.pdf>

Version: 2024-02-01

67
papers

799
citations

567281

15
h-index

552781

26
g-index

68
all docs

68
docs citations

68
times ranked

817
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyphenolic Phytochemicals in Cancer Prevention and Therapy: Bioavailability versus Bioefficacy. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9413-9436.	6.4	89
2	Revealing the relationship between vegetable oil composition and oxidative stability: A multifactorial approach. <i>Journal of Food Composition and Analysis</i> , 2018, 66, 221-229.	3.9	81
3	Sesquiterpene lactones from <i>Artemisia herba-alba</i> . <i>Phytochemistry</i> , 1990, 29, 541-545.	2.9	60
4	Epoxidation of Primary and Secondary Alkenylammonium Salts with Dimethyldioxirane, Methyl(trifluoromethyl)dioxirane, and m-Chloroperbenzoic Acid. A General Synthetic Route to Epoxyalkylamines. <i>Journal of Organic Chemistry</i> , 1995, 60, 3692-3699.	3.2	55
5	Classification of flavonoid compounds by using entropy of information theory. <i>Phytochemistry</i> , 2013, 93, 182-191.	2.9	39
6	Natural antioxidants from herbs and spices improve the oxidative stability and frying performance of vegetable oils. <i>International Journal of Food Science and Technology</i> , 2017, 52, 2422-2428.	2.7	35
7	Oxyfunctionalization of Aliphatic Esters by Methyl(trifluoromethyl)dioxirane. <i>Journal of Organic Chemistry</i> , 1996, 61, 5564-5566.	3.2	34
8	A General and Efficient Method for the Monohydroxylation of Alkanes. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 217-218.	4.4	29
9	Influence of Remote Substituents on the Equatorial/Axial Selectivity in the Monooxygenation of Methylene C-H Bonds of Substituted Cyclohexanes. <i>Journal of the American Chemical Society</i> , 2001, 123, 7487-7491.	13.7	29
10	Information entropy-based classification of triterpenoids and steroids from <i>Ganoderma</i> . <i>Phytochemistry</i> , 2015, 116, 305-313.	2.9	23
11	Quantitative Structure-Antioxidant Activity Models of Isoflavonoids: A Theoretical Study. <i>International Journal of Molecular Sciences</i> , 2015, 16, 12891-12906.	4.1	22
12	Periodic Classification of Local Anaesthetics (Procaine Analogues). <i>International Journal of Molecular Sciences</i> , 2006, 7, 12-34.	4.1	20
13	Effect of packing on the cluster nature of C nanotubes: An information entropy analysis. <i>Microelectronics Journal</i> , 2007, 38, 1109-1122.	2.0	20
14	Topological Charge-Transfer Indices: From Small Molecules to Proteins. <i>Current Proteomics</i> , 2009, 6, 204-213.	0.3	20
15	(Co-)solvent selection for single-wall carbon nanotubes: best solvents, acids, superacids and guest-host inclusion complexes. <i>Nanoscale</i> , 2011, 3, 2494.	5.6	17
16	Hyperconjugative Control by Remote Substituents of Diastereoselectivity in the Oxygenation of Hydrocarbons. <i>Organic Letters</i> , 2000, 2, 831-834.	4.6	15
17	Cluster Origin of the Solubility of Single-Wall Carbon Nanotubes. <i>Computing Letters</i> , 2005, 1, 331-336.	0.5	15
18	Negatively cooperative binding of melittin to neutral phospholipid vesicles. <i>Journal of Molecular Structure</i> , 2007, 834-836, 216-228.	3.6	15

#	ARTICLE	IF	CITATIONS
19	Cluster Origin of the Transfer Phenomena of Single-Wall Carbon Nanotubes. <i>Journal of Computational and Theoretical Nanoscience</i> , 2007, 4, 588-603.	0.4	14
20	Asymptotic Analysis of Coagulation–Fragmentation Equations of Carbon Nanotube Clusters. <i>Nanoscale Research Letters</i> , 2007, 2, 337-349.	5.7	13
21	QSPR Prediction of Retention Times of Phenylurea Herbicides by Biological Plastic Evolution. <i>Current Drug Safety</i> , 2012, 7, 262-268.	0.6	12
22	Molecular Classification of Pesticides Including Persistent Organic Pollutants, Phenylurea and Sulphonylurea Herbicides. <i>Molecules</i> , 2014, 19, 7388-7414.	3.8	12
23	Classification of stilbenoid compounds by entropy of artificial intelligence. <i>Phytochemistry</i> , 2014, 97, 62-69.	2.9	12
24	QSPR prediction of chromatographic retention times of pesticides: Partition and fractal indices. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2014, 49, 400-407.	1.5	12
25	Cluster nature of the solvent features of single-wall carbon nanohorns. <i>International Journal of Quantum Chemistry</i> , 2010, 110, 563-570.	2.0	10
26	Binding of water-soluble, globular proteins to anionic model membranes. <i>Journal of Molecular Structure</i> , 2009, 924-926, 274-284.	3.6	9
27	Fractal Dimension of Transdermal-Delivery Drug Models: 4-Alkylanilines. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2008, 31, 2337-2347.	1.0	8
28	Classification of Complex Molecules. <i>Studies in Computational Intelligence</i> , 2009, , 243-315.	0.9	6
29	Computational Study of Nanosized Drug Delivery from Cyclodextrins, Crown Ethers and Hyaluronan in Pharmaceutical Formulations. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1901-1913.	2.1	6
30	Fractal Dimension of Active-Site Models of Zeolite Catalysts. <i>Journal of Nanomaterials</i> , 2006, 2006, 1-9.	2.7	5
31	Fullerite Crystal Thermodynamic Characteristics and the Law of Corresponding States. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 1208-1222.	0.9	5
32	Using Chemical Structural Indicators for Periodic Classification of Local Anaesthetics. <i>International Journal of Chemoinformatics and Chemical Engineering</i> , 2011, 1, 15-35.	0.1	5
33	Comparative analysis of the electrostatics of the binding of cationic proteins to vesicles: Asymmetric location of anionic phospholipids. <i>Analytica Chimica Acta</i> , 2009, 654, 2-10.	5.4	4
34	Table of periodic properties of human immunodeficiency virus inhibitors. <i>International Journal of Computational Intelligence in Bioinformatics and Systems Biology</i> , 2010, 1, 246.	0.1	4
35	QSPR Prediction of Retention Times of Methylxanthines and Cotinine by Bioplastic Evolution. <i>International Journal of Quantitative Structure-Property Relationships</i> , 2018, 3, 74-87.	0.5	4
36	QSAR of Natural Sesquiterpene Lactones as Inhibitors of Myb-dependent Gene Expression. <i>Current Topics in Medicinal Chemistry</i> , 2018, 17, 3256-3268.	2.1	4

#	ARTICLE	IF	CITATIONS
37	Net charge and polarizability of zeolitic Brønsted acidic sites. International Journal of Quantum Chemistry, 2007, 107, 2378-2383.	2.0	3
38	Structure-Activity Relationships of Cytotoxic Lactones as Inhibitors and Mechanisms of Action. Current Drug Discovery Technologies, 2020, 17, 166-182.	1.2	3
39	Bundlet Model for Single-Wall Carbon Nanotubes, Nanocones and Nanohorns. , 0, , 228-284.		3
40	Bundlet Model of Single- Wall Carbon, BC2N and BN Nanotubes, Cones and Horns in Organic Solvents. Journal of Nanomaterials & Molecular Nanotechnology, 2013, 02, .	0.1	3
41	Bundlet Model for Single-Wall Carbon Nanotubes, Nanocones and Nanohorns. International Journal of Chemoinformatics and Chemical Engineering, 2012, 2, 48-98.	0.1	3
42	Complexity, Emergence and Molecular Diversity via Information Theory. , 2013, , 196-208.		3
43	Improvement of charge-transfer indices for multifunctional amino acids: Application to lysozyme. SAR and QSAR in Environmental Research, 2008, 19, 643-654.	2.2	2
44	Experimental Studies for Modelling the Phase Behaviour of Monomer/Polymer/Disc Composites. Macromolecular Symposia, 2010, 296, 557-565.	0.7	2
45	Cluster solvation models of carbon nanostructures: extension to fullerenes, tubes, and buds. Journal of Molecular Modeling, 2014, 20, 2263.	1.8	2
46	QSRP Prediction of Retention Times of Chlorogenic Acids in Coffee by Bioplastic Evolution. , 0, , .		2
47	Information Theoretic Entropy for Molecular Classification: Oxadiazolamines as Potential Therapeutic Agents. Current Computer-Aided Drug Design, 2013, 9, 241-253.	1.2	2
48	Molecular Classification of 5-Amino-2-Aroylquinolines and 4-Aroyl-6,7,8-Trimethoxyquinolines as Highly Potent Tubulin Polymerization Inhibitors. International Journal of Chemoinformatics and Chemical Engineering, 2013, 3, 1-26.	0.1	2
49	Structural Classification of Complex Molecules by Artificial Intelligence Techniques. , 0, , 25-91.		2
50	Role of Lycium Barbarum Extracts in Retinal Diseases. , 2015, , 153-178.		1
51	Molecular Clustering of Phenylurea Herbicides: Comparison with Sulphonylureas, Pesticides and Persistent Organic Pollutants. Evolving Trends in Engineering and Technology, 0, 1, 29-52.	0.0	1
52	Nanostructures Cluster Models in Solution. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2014, , 221-253.	0.5	1
53	Mucoadhesive Polymer Hyaluronan as Biodegradable Cationic/Zwitterionic-Drug Delivery Vehicle. ADMET and DMPK, 2015, 2, .	2.1	1
54	Asymptotic Coagulation-Fragmentation Equations. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
55	CLUSTER NATURE OF C-NANO HORN SOLVENT FEATURES. , 2009, , .		0
56	Molecular Classification of N-Aryloxazolidinone-5-carboxamides as Human Immunodeficiency Virus Protease Inhibitors. , 2015, , 69-97.		0
57	Molecular Classification of Antitubulin Agents with Indole Ring Binding at Colchicine-Binding Site. , 2018, , .		0
58	QSPR Prediction of Chromatographic Retention Times of Tea Compounds by Bioplastic Evolution. , 2018, , .		0
59	Classification of Congeneric and QSAR of Homologous Antileukemic Sâ€“Alkylcysteine Ketones. Molecules, 2021, 26, 235.	3.8	0
60	Cooperativity of Protein Binding to Vesicles. Advances in Experimental Medicine and Biology, 2011, 696, 271-278.	1.6	0
61	Valence-Topological Charge-Transfer Indices, Dipole, Isoelectric Point and Fractal: From Homo/Heterocycles to Proteins. Current Organic Chemistry, 2015, 19, 205-218.	1.6	0
62	Ideas in the History of Nano/Miniaturization and (Quantum) Simulators: Feynman, Education and Research Reorientation in Translational Science. , 0, , .		0
63	Cluster Origin of Solvation Features of C-Nanostructures in Organic Solvents. Advances in Medical Technologies and Clinical Practice Book Series, 2016, , 189-293.	0.3	0
64	Graphene and Fullerenes Clusters. Advances in Chemical and Materials Engineering Book Series, 2017, , 569-599.	0.3	0
65	Cluster Origin of Solvent Features of Fullerenes, Single-Wall Carbon Nanotubes, Nanocones, and Nanohorns. , 0, , 1-57.		0
66	Using Chemical Structural Indicators for Periodic Classification of Local Anaesthetics. , 0, , 117-137.		0
67	Cluster Origin of Solvent Features of Fullerenes, Single-Wall Carbon Nanotubes, Nanocones, and Nanohorns. , 0, , 262-318.		0