

Domenico Marson

List of Publications by Year in descending order

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57
papers

1,294
citations

430442

18
h-index

377514

34
g-index

58
all docs

58
docs citations

58
times ranked

2110
citing authors

#	ARTICLE	IF	CITATIONS
1	Thiolate end-group regulates ligand arrangement, hydration and affinity for small compounds in monolayer-protected gold nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1373-1381.	5.0	4
2	The fellowship of the RING: BRCA1, its partner BARD1 and their liaison in DNA repair and cancer. , 2022, 232, 108009.		3
3	Synthesis of Aminoethyl-Substituted Piperidine Derivatives as β Receptor Ligands with Antiproliferative Properties. <i>ChemMedChem</i> , 2022, 17, .	1.6	6
4	Binding of the B-Raf Inhibitors Dabrafenib and Vemurafenib to Human Serum Albumin: A Biophysical and Molecular Simulation Study. <i>Molecular Pharmaceutics</i> , 2022, 19, 1619-1634.	2.3	6
5	Dynamic self-assembling supramolecular dendrimer nanosystems as potent antibacterial candidates against drug-resistant bacteria and biofilms. <i>Nanoscale</i> , 2022, 14, 9286-9296.	2.8	21
6	Transformation of L-DOPA and Dopamine on the Surface of Gold Nanoparticles: An NMR and Computational Study. <i>Inorganic Chemistry</i> , 2022, 61, 10781-10791.	1.9	1
7	An ionizable supramolecular dendrimer nanosystem for effective siRNA delivery with a favorable safety profile. <i>Nano Research</i> , 2021, 14, 2247.	5.8	21
8	Cationic Dendrimers for siRNA Delivery: An Overview of Methods for In Vitro/In Vivo Characterization. <i>Methods in Molecular Biology</i> , 2021, 2282, 209-244.	0.4	5
9	ITC for Characterization of Self-Assembly Process of Cationic Dendrons for siRNA Delivery. <i>Methods in Molecular Biology</i> , 2021, 2282, 245-266.	0.4	1
10	Computational Mutagenesis at the SARS-CoV-2 Spike Protein/Angiotensin-Converting Enzyme 2 Binding Interface: Comparison with Experimental Evidence. <i>ACS Nano</i> , 2021, 15, 6929-6948.	7.3	37
11	Mixed-monolayer functionalized gold nanoparticles for cancer treatment: Atomistic molecular dynamics simulations study. <i>BioSystems</i> , 2021, 202, 104354.	0.9	11
12	Probing Multiscale Factors Affecting the Reactivity of Nanoparticle-Bound Molecules. <i>ACS Nano</i> , 2021, 15, 8295-8305.	7.3	8
13	Chemoenzymatic synthesis of 2,6-disubstituted tetrahydropyrans with high β 1 receptor affinity, antitumor and analgesic activity. <i>European Journal of Medicinal Chemistry</i> , 2021, 219, 113443.	2.6	9
14	Dendrimeric nanosystem consistently circumvents heterogeneous drug response and resistance in pancreatic cancer. <i>Exploration</i> , 2021, 1, 21-34.	5.4	64
15	Back Cover: Dendrimeric nanosystem consistently circumvents heterogeneous drug response and resistance in pancreatic cancer (EXP2 1/2021). <i>Exploration</i> , 2021, 1, ii.	5.4	0
16	Cationic Dendrimers for siRNA Delivery: Computational Approaches for Characterization. <i>Methods in Molecular Biology</i> , 2021, 2282, 267-296.	0.4	0
17	Molecular rationale for SARS-CoV-2 spike circulating mutations able to escape bamlanivimab and etesevimab monoclonal antibodies. <i>Scientific Reports</i> , 2021, 11, 20274.	1.6	33
18	A self-assembling amphiphilic dendrimer nanotracer for SPECT imaging. <i>Chemical Communications</i> , 2020, 56, 301-304.	2.2	19

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19	Multiscale molecular modelling for the design of nanostructured polymer systems: industrial applications. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 1447-1476.	1.7	7
20	Surface Charge of Supramolecular Nanosystems for In Vivo Biodistribution: A MicroSPECT/CT Imaging Study. <i>Small</i> , 2020, 16, e2003290.	5.2	11
21	Bioimaging: Surface Charge of Supramolecular Nanosystems for In Vivo Biodistribution: A MicroSPECT/CT Imaging Study (Small 37/2020). <i>Small</i> , 2020, 16, 2070203.	5.2	0
22	Computational Alanine Scanning and Structural Analysis of the SARS-CoV-2 Spike Protein/Angiotensin-Converting Enzyme 2 Complex. <i>ACS Nano</i> , 2020, 14, 11821-11830.	7.3	72
23	Perceptions and Misconceptions in Molecular Recognition: Key Factors in Self-Assembling Multivalent (SAMul) Ligands/Polyanions Selectivity. <i>Molecules</i> , 2020, 25, 1003.	1.7	1
24	Role of Rad51 and DNA repair in cancer: A molecular perspective. , 2020, 208, 107492.		64
25	Molecular Features for Probing Small Amphiphilic Molecules with Self-Assembled Monolayer-Protected Nanoparticles. <i>Langmuir</i> , 2020, 36, 5671-5679.	1.6	3
26	Breast cancer nanomedicine market update and other industrial perspectives of nanomedicine. , 2020, , 371-404.		6
27	Evolution from Covalent to Self-Assembled PAMAM-Based Dendrimers as Nanovectors for siRNA Delivery in Cancer by Coupled in Silico-Experimental Studies. Part II: Self-Assembled siRNA Nanocarriers. <i>Pharmaceutics</i> , 2019, 11, 324.	2.0	11
28	Evolution from Covalent to Self-Assembled PAMAM-Based Dendrimers as Nanovectors for siRNA Delivery in Cancer by Coupled In Silico-Experimental Studies. Part I: Covalent siRNA Nanocarriers. <i>Pharmaceutics</i> , 2019, 11, 351.	2.0	12
29	Graphene oxide as a 2D platform for complexation and intracellular delivery of siRNA. <i>Nanoscale</i> , 2019, 11, 13863-13877.	2.8	35
30	Self-assembled multivalent (SAMul) ligand systems with enhanced stability in the presence of human serum. <i>Biomaterials Science</i> , 2019, 7, 3812-3820.	2.6	4
31	Unchain My Blood: Lessons Learned from Self-Assembled Dendrimers as Nanoscale Heparin Binders. <i>Biomolecules</i> , 2019, 9, 385.	1.8	5
32	Supramolecular Tripeptide Hydrogel Assembly with 5-Fluorouracil. <i>Gels</i> , 2019, 5, 5.	2.1	30
33	Theoretical Importance of PVP-Alginate Hydrogels Structure on Drug Release Kinetics. <i>Gels</i> , 2019, 5, 22.	2.1	5
34	Nanomechanical DNA resonators for sensing and structural analysis of DNA-ligand complexes. <i>Nature Communications</i> , 2019, 10, 1690.	5.8	21
35	Mixed Fluorinated/Hydrogenated Self-Assembled Monolayer-Protected Gold Nanoparticles: In Silico and In Vitro Behavior. <i>Small</i> , 2019, 15, e1900323.	5.2	18
36	Imidazole and 1,2,4-Triazole-based Derivatives Gifted with Antitubercular Activity: Cytotoxicity and Computational Assessment. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 620-632.	1.0	6

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37	In silico design of self-assembly nanostructured polymer systems by multiscale molecular modeling. Science Technology and Innovation, 2019, 6, 1-10.	0.0	1
38	Coupling Computational and Experimental Techniques for the Design, Characterization, and Performance of Self-Assembled Dendrimers for Heparin and DNA Binding. , 2019, , 243-265.		0
39	Multimodel approach for accurate determination of industry-driven properties for Polymer Nanocomposite Materials. Journal of Computational Science, 2018, 26, 28-38.	1.5	6
40	Mallard Blue binding to heparin, its SDS micelle-driven de-complexation, and interaction with human serum albumin: A combined experimental/modeling investigation. Fluid Phase Equilibria, 2018, 470, 259-267.	1.4	8
41	A Dual Targeting Dendrimer-Mediated siRNA Delivery System for Effective Gene Silencing in Cancer Therapy. Journal of the American Chemical Society, 2018, 140, 16264-16274.	6.6	159
42	Self-assembling supramolecular dendrimer nanosystem for PET imaging of tumors. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11454-11459.	3.3	58
43	Noble metal nanoparticles with anisotropy in shape and surface functionality for biomedical applications. , 2018, , 313-333.		2
44	Quantitative 3D determination of self-assembled structures on nanoparticles using small angle neutron scattering. Nature Communications, 2018, 9, 1343.	5.8	54
45	Abstract 812: New c-KIT mutations in GISTs: Bad for good. , 2018, , .		0
46	Gold nanoparticles with patterned surface monolayers for nanomedicine: current perspectives. European Biophysics Journal, 2017, 46, 749-771.	1.2	64
47	3D Homology Model of Sigma1 Receptor. Handbook of Experimental Pharmacology, 2017, 244, 27-50.	0.9	10
48	Abstract 4547: Structural, thermodynamics and kinetics role of novel hot-spot mutations of BCR-ABL1 in resistance towards "lfs" inhibitors. , 2017, , .		0
49	Patchy and Janus Nanoparticles by Self-Organization of Mixtures of Fluorinated and Hydrogenated Alkanethiolates on the Surface of a Gold Core. ACS Nano, 2016, 10, 9316-9325.	7.3	48
50	Structure and binding thermodynamics of viologen-phosphorous dendrimers to human serum albumin: A combined computational/experimental investigation. Fluid Phase Equilibria, 2016, 422, 18-31.	1.4	7
51	Cationic carbosilane dendrimers and oligonucleotide binding: an energetic affair. Nanoscale, 2015, 7, 3876-3887.	2.8	12
52	Smoothed (SMO) receptor mutations dictate resistance to Amsamodegib in basal cell carcinoma. Molecular Oncology, 2015, 9, 389-397.	2.1	131
53	Identification, pharmacological evaluation and binding mode analysis of novel chromene and chromane based If1 receptor ligands. European Journal of Medicinal Chemistry, 2014, 83, 526-533.	2.6	12
54	The Sigma Enigma: In Vitro/in Silico Site-Directed Mutagenesis Studies Unveil If ₁ Receptor Ligand Binding. Biochemistry, 2014, 53, 2993-3003.	1.2	48

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55	Impact of siRNA Overhangs for Dendrimer-Mediated siRNA Delivery and Gene Silencing. <i>Molecular Pharmaceutics</i> , 2013, 10, 3262-3273.	2.3	43
56	Another Brick in the Wall. Validation of the β 1 Receptor 3D Model by Computer-Assisted Design, Synthesis, and Activity of New β 1 Ligands. <i>Molecular Pharmaceutics</i> , 2012, 9, 3107-3126.	2.3	41
57	Tell Me Something I Do Not Know. Multiscale Molecular Modeling of Dendrimer/ Dendron Organization and Self-Assembly In Gene Therapy. <i>Current Medicinal Chemistry</i> , 2012, 19, 5062-5087.	1.2	28