

# Silvana Alfei

## List of Publications by Citations

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69  
papers

802  
citations

17  
h-index

22  
g-index

81  
ext. papers

1,143  
ext. citations

4.2  
avg, IF

5.3  
L-index

#	Paper	IF	Citations
69	Nanotechnology application in food packaging: A plethora of opportunities versus pending risks assessment and public concerns. <i>Food Research International</i> , <b>2020</b> , 137, 109664	7	38
68	Ellagic acid a multi-target bioactive compound for drug discovery in CNS? A narrative review. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 183, 111724	6.8	36
67	Antibacterial and Hypoglycemic Diterpenoids from <i>Salvia chamaedryoides</i> . <i>Journal of Natural Products</i> , <b>2017</b> , 80, 503-514	4.9	33
66	Positively Charged Polymers as Promising Devices against Multidrug Resistant Gram-Negative Bacteria: A Review. <i>Polymers</i> , <b>2020</b> , 12,	4.5	31
65	Synthesis and characterization of polyester-based dendrimers containing peripheral arginine or mixed amino acids as potential vectors for gene and drug delivery. <i>Macromolecular Research</i> , <b>2017</b> , 25, 1172-1186	1.9	31
64	From Nanobiotechnology, Positively Charged Biomimetic Dendrimers as Novel Antibacterial Agents: A Review. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	28
63	Preparation of ellagic acid micro and nano formulations with amazingly increased water solubility by its entrapment in pectin or non-PAMAM dendrimers suitable for clinical applications. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 2438-2448	3.6	26
62	Dendrimer Nanodevices and Gallic Acid as Novel Strategies to Fight Chemoresistance in Neuroblastoma Cells. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	26
61	Synthesis and NMR characterization of dendrimers based on 2, 2-bis-(hydroxymethyl)-propanoic acid (bis-HMPA) containing peripheral amino acid residues for gene transfection. <i>Organic Communications</i> , <b>2017</b> , 10, 144-177	1.4	26
60	Oxidative Stress, Antioxidant Capabilities, and Bioavailability: Ellagic Acid or Urolithins?. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	22
59	Assessment of the Efficiency of a Nanospherical Gallic Acid Dendrimer for Long-Term Preservation of Essential Oils: An Integrated Chemometric-Assisted FTIR Study. <i>ChemistrySelect</i> , <b>2019</b> , 4, 8891-8901	1.8	21
58	Antibacterial Activity of Non-Cytotoxic, Amino Acid-Modified Polycationic Dendrimers against and Other Non-Fermenting Gram-Negative Bacteria. <i>Polymers</i> , <b>2020</b> , 12,	4.5	20
57	From pomegranate marcs to a potential bioactive ingredient: a recycling proposal for pomegranate-squeezed marcs. <i>European Food Research and Technology</i> , <b>2020</b> , 246, 273-285	3.4	20
56	1,8-Naphthyridines IX. Potent anti-inflammatory and/or analgesic activity of a new group of substituted 5-amino[1,2,4]triazolo[4,3-a][1,8]naphthyridine-6-carboxamides, of some their Mannich base derivatives and of one novel substituted	6.8	19
55	5-amino-10-oxo-10H-pyrimido[1,2-a][1,8]naphthyridine-6-carboxamide derivative. Traditional or hydro-diffusion and gravity microwave coupled with ultrasound as green technologies for the valorization of pomegranate external peels. <i>Food and Bioproducts Processing</i> , <b>2019</b> , 117, 30-37	4.9	18
54	Biodegradable and biocompatible spherical dendrimer nanoparticles with a gallic acid shell and a double-acting strong antioxidant activity as potential device to fight diseases from "oxidative stress". <i>Drug Delivery and Translational Research</i> , <b>2020</b> , 10, 259-270	6.2	18
53	Polyester-Based Dendrimer Nanoparticles Combined with Etoposide Have an Improved Cytotoxic and Pro-Oxidant Effect on Human Neuroblastoma Cells. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	17

52	Monomers containing substrate or inhibitor residues for copper amine oxidases and their hydrophilic beaded resins designed for enzyme interaction studies. <i>Tetrahedron</i> , <b>2004</b> , 60, 11407-11414	2.4	17
51	Synthesis and characterization of fourth generation polyester-based dendrimers with cationic amino acids-modified crown as promising water soluble biomedical devices. <i>Polymers for Advanced Technologies</i> , <b>2018</b> , 29, 2735-2749	3.2	17
50	Synthesis of Water-soluble, Polyester-based Dendrimer Prodrugs for Exploiting Therapeutic Properties of Two Triterpenoid Acids. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2018</b> , 36, 999-1010	3.5	16
49	Reshaped as polyester-based nanoparticles, gallic acid inhibits platelet aggregation, reactive oxygen species production and multi-resistant Gram-positive bacteria with an efficiency never obtained. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 4148-4157	5.1	16
48	Synthesis, in vitro antiplatelet activity and molecular modelling studies of 10-substituted 2-(1-piperazinyl)pyrimido[1,2-a]benzimidazol-4(10H)-ones. <i>European Journal of Medicinal Chemistry</i> , <b>2013</b> , 62, 564-78	6.8	15
47	Alkylamino derivatives of 4-aminomethylpyridine as inhibitors of copper-containing amine oxidases. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 664-70	8.3	15
46	Formulation Strategies to Improve Oral Bioavailability of Ellagic Acid. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 3353	2.6	14
45	Polystyrene Resins Containing 1,3-Propanedithiol Functions for Solid-Phase Organic Syntheses. <i>Synlett</i> , <b>2003</b> , 2003, 0864-0866	2.2	14
44	D- $\alpha$ -Tocopherol-Based Micelles for Successful Encapsulation of Retinoic Acid. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	14
43	Hydrophilic and amphiphilic water-soluble dendrimer prodrugs suitable for parenteral administration of a non-soluble non-nucleoside HIV-1 reverse transcriptase inhibitor thiocarbamate derivative. <i>European Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 124, 153-164	5.1	13
42	Synthesis and characterization of versatile amphiphilic dendrimers peripherally decorated with positively charged amino acids. <i>Polymer International</i> , <b>2018</b> , 67, 1572-1584	3.3	12
41	Unexpected behavior of the methoxymethoxy group in the metalation/formylation reactions of 3-methoxymethoxyanisole. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 1351-1354	2	12
40	Synthesis and Antibacterial Activity of Cationic Amino Acid-Conjugated Dendrimers Loaded with a Mixture of Two Triterpenoid Acids. <i>Polymers</i> , <b>2021</b> , 13,	4.5	12
39	New Hybrid Pyrazole and Imidazopyrazole Antiinflammatory Agents Able to Reduce ROS Production in Different Biological Targets. <i>Molecules</i> , <b>2020</b> , 25,	4.8	9
38	Synthesis, Characterization, and Bactericidal Activity of a 4-Ammoniumbutylstyrene-Based Random Copolymer. <i>Polymers</i> , <b>2021</b> , 13,	4.5	9
37	Molecular Bases of PDE4D Inhibition by Memory-Enhancing GEBR Library Compounds. <i>Biochemistry</i> , <b>2018</b> , 57, 2876-2888	3.2	8
36	Nanostructured styrenic co-polymers containing glucopyranosyl residues and their functionalization. <i>Tetrahedron</i> , <b>2009</b> , 65, 5684-5692	2.4	8
35	Reductive Cleavage of 1,3-Dithiane Systems Anchored on Polymers Useful for Supported Organic Syntheses. <i>Synlett</i> , <b>2003</b> , 2003, 1201-1203	2.2	8

34	Development of a Fast, Low-Cost, Conservative and Ecological Method for Quantifying Gallic Acid in Polymeric Formulations by FTIR Spectroscopy in Solution. <i>ChemistrySelect</i> , <b>2020</b> , 5, 4381-4388	1.8	8
33	Considerable Improvement of Ursolic Acid Water Solubility by Its Encapsulation in Dendrimer Nanoparticles: Design, Synthesis and Physicochemical Characterization. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	8
32	Unconventional Knoevenagel-type indoles: Synthesis and cell-based studies for the identification of pro-apoptotic agents. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 102, 648-60	6.8	7
31	Neuroinflammation in Aged Brain: Impact of the Oral Administration of Ellagic Acid Microdispersion. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	7
30	Biodegradable and Compostable Shopping Bags under Investigation by FTIR Spectroscopy. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 621	2.6	7
29	Unconventional stereoselective one-pot synthesis of Knoevenagel-type indoles via in situ condensation of iminium salts with active methylene reagents. <i>Tetrahedron</i> , <b>2013</b> , 69, 10858-10868	2.4	6
28	Successful Dendrimer and Liposome-Based Strategies to Solubilize an Antiproliferative Pyrazole Otherwise Not Clinically Applicable.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	6
27	Preparation and Physicochemical Characterization of Water-Soluble Pyrazole-Based Nanoparticles by Dendrimer Encapsulation of an Insoluble Bioactive Pyrazole Derivative. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	6
26	Synthesis of Polystyrene-Based Cationic Nanomaterials with Pro-Oxidant Cytotoxic Activity on Etoposide-Resistant Neuroblastoma Cells. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	6
25	Increased Water-Solubility and Maintained Antioxidant Power of Resveratrol by Its Encapsulation in Vitamin E TPGS Micelles: A Potential Nutritional Supplement for Chronic Liver Disease. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	6
24	Two Novel PET Radiopharmaceuticals for Endothelial Vascular Cell Adhesion Molecule-1 (VCAM-1) Targeting. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	6
23	Synthesis of 2,6-disubstituted benzylamine derivatives as reversible selective inhibitors of copper amine oxidases. <i>Bioorganic and Medicinal Chemistry</i> , <b>2014</b> , 22, 1558-67	3.4	5
22	Soluble and insoluble polymeric 1,3-dithiane reagents for the synthesis of aldehydes from alkyl halides. <i>Tetrahedron</i> , <b>2005</b> , 61, 9519-9526	2.4	5
21	Recommendations to Synthesize Old and New $\beta$ -Lactamases Inhibitors: A Review to Encourage Further Production.. <i>Pharmaceutics</i> , <b>2022</b> , 15,	5.2	5
20	Synthesis and biological evaluation of (acyl)hydrazones and thiosemicarbazones obtained via in situ condensation of iminium salts with nitrogen-containing nucleophiles. <i>Molecular Diversity</i> , <b>2015</b> , 19, 669-84	3.1	4
19	Synthesis of crosslinked nanostructured saccharidic vinyl copolymers and their functionalization. <i>Tetrahedron</i> , <b>2007</b> , 63, 11672-11680	2.4	4
18	An optimized and very detailed, grams scale synthesis of CTEP, through a complete characterization of all the isolated and purified intermediates. <i>Organic Communications</i> , <b>2017</b> , 10, 114-124	1.4	4
17	Broad-Spectrum Bactericidal Activity of a Synthetic Random Copolymer Based on 2-Methoxy-6-(4-Vinylbenzyloxy)-Benzylammonium Hydrochloride. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4

16	Bactericidal Activity of a Self-Biodegradable Lysine-Containing Dendrimer against Clinical Isolates of Genus. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
15	Pyrazole-Based Water-Soluble Dendrimer Nanoparticles as a Potential New Agent against Staphylococci.. <i>Biomedicines</i> , <b>2021</b> , 10,	4.8	4
14	Antimicrobial Peptides and Cationic Nanoparticles: A Broad-Spectrum Weapon to Fight Multi-Drug Resistance Not Only in Bacteria. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 6108	6.3	4
13	N,N,N-Tris(tert-butoxycarbonyl)-l-arginine: five isoforms whose obtainment depends on procedure and scrupulous NMR confirmation of their structures. <i>Research on Chemical Intermediates</i> , <b>2018</b> , 44, 1811-1832 <sup>3</sup>	2.8	3
12	Nanotechnological Manipulation of Nutraceuticals and Phytochemicals for Healthy Purposes: Established Advantages vs. Still Undefined Risks. <i>Polymers</i> , <b>2021</b> , 13,	4.5	3
11	Bactericidal Activity of Non-Cytotoxic Cationic Nanoparticles against Clinically and Environmentally Relevant spp. Isolates. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	3
10	Synthesis and evaluation of resins bearing substrate-like inhibitor functions for capturing copper amine oxidases. <i>Polymer Journal</i> , <b>2013</b> , 45, 1146-1152	2.7	2
9	Synthesis and NMR investigation of styrene glycopolymers containing D-galactose units functionalized with 4-(4-hydroxybutoxy)benzylamine residues. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 740-751	4.9	2
8	Efficacy of Ursolic Acid-Enriched Water-Soluble and Not Cytotoxic Nanoparticles against Enterococci. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	2
7	β-Lactam Antibiotics and β-Lactamase Enzymes Inhibitors, Part 2: Our Limited Resources.. <i>Pharmaceutics</i> , <b>2022</b> , 15,	5.2	2
6	Discovery of New Antiproliferative Imidazopyrazole Acylhydrazones Able To Interact with Microtubule Systems. <i>ChemMedChem</i> , <b>2020</b> , 15, 961-969	3.7	0
5	Design, synthesis, biological evaluation and structural characterization of novel GEBR library PDE4D inhibitors. <i>European Journal of Medicinal Chemistry</i> , <b>2021</b> , 223, 113638	6.8	0
4	Synthesis, glycosylation and NMR characterization of linear peracetylated D-galactose glycopolymers. <i>RSC Advances</i> , <b>2015</b> , 5, 23835-23846	3.7	
3	Tert-Butoxycarbonyl Protecting Group Location Induces Different Reactive Behaviors in the Five Possible Isoforms of Tri-Boc-Arginine. <i>ChemistrySelect</i> , <b>2018</b> , 3, 8826-8832	1.8	
2	Cytotoxic Activity of Dendrimer Nanoparticles and Dendrimer Drugs Formulations on Human Neuroblastoma Cells: Our Recent Update. <i>Materials Proceedings</i> , <b>2021</b> , 4, 48	0.3	
1	Nanotechnology Applications to Improve Solubility of Bioactive Constituents of Foods for Health-Promoting Purposes. <i>Food Engineering Series</i> , <b>2020</b> , 189-257	0.5	