

# Erika Ferrari

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1257863/publications.pdf>

Version: 2024-02-01

62  
papers

1,887  
citations

257101

24  
h-index

276539

41  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2851  
citing authors

#	ARTICLE	IF	CITATIONS
1	Curcumin-Based $\beta^2$ -Diketo Ligands for Ga <sup>3+</sup> : Thermodynamic Investigation of Potential Metal-Based Drugs. <i>Pharmaceuticals</i> , 2022, 15, 854.	1.7	6
2	25th Anniversary of Molecules—Recent Advances in Inorganic Chemistry. <i>Molecules</i> , 2021, 26, 2589.	1.7	0
3	Applications of Radiolabelled Curcumin and Its Derivatives in Medicinal Chemistry. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7410.	1.8	10
4	Boosting sunscreen stability: New hybrid materials from UV filters encapsulation. <i>Microporous and Mesoporous Materials</i> , 2021, 328, 111478.	2.2	8
5	Gallium-68 and scandium-44 labelled radiotracers based on curcumin structure linked to bifunctional chelators: Synthesis and characterization of potential PET radiotracers. <i>Journal of Inorganic Biochemistry</i> , 2020, 204, 110954.	1.5	17
6	From solid state to <i>in vitro</i> anticancer activity of copper(II) compounds with electronically-modulated NNO Schiff base ligands. <i>Dalton Transactions</i> , 2020, 49, 14626-14639.	1.6	17
7	Curcumin Derivatives as Metal-Chelating Agents: Implications for Potential Therapeutic Agents for Neurological Disorders. , 2019, , 275-299.		3
8	Development of a Potential Gallium-68-Labelled Radiotracer Based on DOTA-Curcumin for Colon-Rectal Carcinoma: From Synthesis to In Vivo Studies. <i>Molecules</i> , 2019, 24, 644.	1.7	11
9	Combined Effect of Cadmium and Lead on Durum Wheat. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5891.	1.8	21
10	Potent Anti-Cancer Properties of Phthalimide-Based Curcumin Derivatives on Prostate Tumor Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 28.	1.8	31
11	New curcumin-derived ligands and their affinity towards Ga <sup>3+</sup> , Fe <sup>3+</sup> and Cu <sup>2+</sup> : spectroscopic studies on complex formation and stability in solution. <i>New Journal of Chemistry</i> , 2018, 42, 7680-7690.	1.4	12
12	Spectroscopic-Chemical Fingerprint and Biostimulant Activity of a Protein-Based Product in Solid Form. <i>Molecules</i> , 2018, 23, 1031.	1.7	22
13	Curcumin derivatives and A $\beta$ <sup>2</sup> -fibrillar aggregates: An interactions™ study for diagnostic/therapeutic purposes in neurodegenerative diseases. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 4288-4300.	1.4	29
14	Synthesis, characterization and metal coordination of a potential $\beta^2$ -lactamase inhibitor: 5-Methyl-2-phenoxyethyl-3-H-imidazole-4-carboxylic acid (PIMA). <i>Arabian Journal of Chemistry</i> , 2017, 10, 1061-1069.	2.3	1
15	Process Intensification by Experimental Design Application to Microwave-Assisted Extraction of Phenolic Compounds from <i>Juglans regia</i> L. <i>Food Analytical Methods</i> , 2017, 10, 575-586.	1.3	13
16	Uptake of Ga-curcumin derivatives in different cancer cell lines: Toward the development of new potential 68 Ga-labelled curcuminoids-based radiotracers for tumour imaging. <i>Journal of Inorganic Biochemistry</i> , 2017, 173, 113-119.	1.5	17
17	<i>In vitro</i> study on potential pharmacological activity of curcumin analogues and their copper complexes. <i>Chemical Biology and Drug Design</i> , 2017, 89, 411-419.	1.5	15
18	Excited state dynamics of bis-dehydroxycurcumin tert-butyl ester, a diketo-shifted derivative of the photosensitizer curcumin. <i>PLoS ONE</i> , 2017, 12, e0175225.	1.1	4

#	ARTICLE	IF	CITATIONS
19	Affinity of nat/ <sup>68</sup> Ga-Labelled Curcumin and Curcuminoid Complexes for $\beta$ -Amyloid Plaques: Towards the Development of New Metal-Curcumin Based Radiotracers. International Journal of Molecular Sciences, 2016, 17, 1480.	1.8	15
20	SiO <sub>2</sub> -CaO-P <sub>2</sub> O <sub>5</sub> Bioactive Glasses: A Promising Curcuminoids Delivery System. Materials, 2016, 9, 290.	1.3	13
21	Phytochemical compounds or their synthetic counterparts? A detailed comparison of the quantitative environmental assessment for the synthesis and extraction of curcumin. Green Chemistry, 2016, 18, 1807-1818.	4.6	20
22	Snow vole ( <i>Chionomys nivalis</i> Martins) affects the redistribution of soil organic matter and hormone-like activity in the alpine ecosystem: ecological implications. Ecology and Evolution, 2015, 5, 4542-4554.	0.8	19
23	Development of an Electrochemical Sensor for NADH Determination Based on a Caffeic Acid Redox Mediator Supported on Carbon Black. Chemosensors, 2015, 3, 118-128.	1.8	29
24	Synthesis and Characterization of <sup>68</sup> Ga-Labeled Curcumin and Curcuminoid Complexes as Potential Radiotracers for Imaging of Cancer and Alzheimer's Disease. Inorganic Chemistry, 2014, 53, 4922-4933.	1.9	71
25	Curcumin derivatives as metal-chelating agents with potential multifunctional activity for pharmaceutical applications. Journal of Inorganic Biochemistry, 2014, 139, 38-48.	1.5	62
26	Antibacterial phototoxic effects of synthetic asymmetric and glycosylated curcuminoids in aqueous formulations. Journal of Photochemistry and Photobiology B: Biology, 2014, 140, 150-156.	1.7	7
27	Curcumin release from cerium, gallium and zinc containing mesoporous bioactive glasses. Microporous and Mesoporous Materials, 2013, 180, 92-101.	2.2	64
28	Metal binding ability of curcumin derivatives: a theoretical vs. experimental approach. Dalton Transactions, 2013, 42, 5304.	1.6	36
29	Concurrent inhibition of enzymatic activity and NF- $\kappa$ B-mediated transcription of Topoisomerase-II $\beta$ by bis-DemethoxyCurcumin in cancer cells. Cell Death and Disease, 2013, 4, e756-e756.	2.7	23
30	bis-Dehydroxy-Curcumin Triggers Mitochondrial-Associated Cell Death in Human Colon Cancer Cells through ER-Stress Induced Autophagy. PLoS ONE, 2013, 8, e53664.	1.1	56
31	Excited-State Dynamics of Bis-dehydroxycurcumin Carboxylic Acid, a Water-Soluble Derivative of the Photosensitizer Curcumin. Journal of Physical Chemistry A, 2012, 116, 9321-9330.	1.1	18
32	Investigating the effects of wettability and pore size distribution on aggregate stability: the role of soil organic matter and the humic fraction. European Journal of Soil Science, 2012, 63, 152-164.	1.8	59
33	ZFP36 expression impairs glioblastoma cell lines viability and invasiveness by targeting multiple signal transduction pathways. Cell Cycle, 2012, 11, 1977-1987.	1.3	27
34	Solvent effect on keto-enol tautomerism in a new $\beta$ -diketone: a comparison between experimental data and different theoretical approaches. New Journal of Chemistry, 2011, 35, 2840.	1.4	38
35	The role of coordination chemistry in the development of innovative gallium-based bioceramics: the case of curcumin. Journal of Materials Chemistry, 2011, 21, 5027.	6.7	32
36	Newly Synthesized Curcumin Derivatives: Crosstalk between Chemico-physical Properties and Biological Activity. Journal of Medicinal Chemistry, 2011, 54, 8066-8077.	2.9	78

#	ARTICLE	IF	CITATIONS
37	Cloning, expression, and physicochemical characterization of a new diheme cytochrome c from <i>Shewanella baltica</i> OS155. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 461-471.	1.1	17
38	How glucosylation triggers physical–chemical properties of curcumin: an experimental and theoretical study. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 299-310.	0.9	6
39	Adulteration of the anthocyanin content of red wines: Perspectives for authentication by Fourier Transform-Near InfraRed and <sup>1</sup> H NMR spectroscopies. <i>Analytica Chimica Acta</i> , 2011, 701, 139-151.	2.6	74
40	DRIFT and HR MAS NMR characterization of humic substances from a soil treated with different organic and mineral fertilizers. <i>Journal of Molecular Structure</i> , 2011, 998, 216-224.	1.8	42
41	Probing solute–solvent hydrogen bonding with fluorescent water-soluble curcuminoids. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 210, 115-124.	2.0	24
42	Effect of soil pH on the chemical composition of organic matter in physically separated soil fractions in two broadleaf woodland sites at Rothamsted, UK. <i>European Journal of Soil Science</i> , 2010, 61, 970-979.	1.8	48
43	Curcumin derivatives: Molecular basis of their anti-cancer activity. <i>Biochemical Pharmacology</i> , 2009, 78, 1305-1315.	2.0	160
44	Synthesis and characterization of glucosyl-curcuminoids as Fe <sup>3+</sup> suppliers in the treatment of iron deficiency. <i>BioMetals</i> , 2009, 22, 701-710.	1.8	13
45	New Synthetic Glucosyl-Curcuminoids, and their <sup>1</sup> H and <sup>13</sup> C NMR Characterization, from <i>Curcuma longa</i> L. <i>Plant Foods for Human Nutrition</i> , 2009, 64, 224-229.	1.4	10
46	Synthesis, cytotoxic and combined cDDP activity of new stable curcumin derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 3043-3052.	1.4	73
47	Theoretical study on Curcumin: A comparison of calculated spectroscopic properties with NMR, UV–vis and IR experimental data. <i>Journal of Molecular Structure</i> , 2008, 892, 168-176.	1.8	94
48	Synthesis, chemical and biological studies on new Fe <sup>3+</sup> -glycosylated $\beta$ -diketo complexes for the treatment of iron deficiency. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 2549-2556.	2.6	17
49	NMR study on Pt(II) interaction with Amadori compounds. <i>Inorganica Chimica Acta</i> , 2007, 360, 3119-3122.	1.2	5
50	<sup>1</sup> H, <sup>13</sup> C, <sup>195</sup> Pt NMR study on platinum(II) interaction with sulphur containing Amadori compounds. <i>Polyhedron</i> , 2007, 26, 4045-4052.	1.0	13
51	TGA–DTA, DRIFT and NMR characterisation of humic-like fractions from olive wastes and amended soil. <i>Journal of Hazardous Materials</i> , 2007, 149, 408-417.	6.5	43
52	Synthesis and characterization of new $\beta$ -diketo derivatives with iron chelating ability. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 203-213.	1.5	28
53	Hg(II)-coordination by sugar-acids: Role of the hydroxy groups. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 2381-2386.	1.5	15
54	Characterization and metal affinity of Tirofiban, a pharmaceutical compound used in acute coronary syndromes. <i>BioMetals</i> , 2004, 17, 145-155.	1.8	3

#	ARTICLE	IF	CITATIONS
55	Glycosyl-Curcuminoids as Potential New Chelating Agents in Iron Overload Chelation Therapy. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 646-652.	1.0	12
56	Iron(III) complexing ability of carbohydrate derivatives. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 1002-1008.	1.5	23
57	Co-ordination of transition metal ions by galactaric acid: a potentiometric and spectroscopic study. <i>Journal of Inorganic Biochemistry</i> , 2002, 92, 121-127.	1.5	13
58	Binding ability of sialic acid towards biological and toxic metal ions. NMR, potentiometric and spectroscopic study. <i>Journal of Inorganic Biochemistry</i> , 2002, 88, 61-68.	1.5	23
59	Curcuminoids as potential new iron-chelating agents: spectroscopic, polarographic and potentiometric study on their Fe(III) complexing ability. <i>Inorganica Chimica Acta</i> , 2002, 328, 61-68.	1.2	168
60	Amide group coordination to the Hg <sup>2+</sup> ion. Potentiometric, <sup>1</sup> H NMR and structural study on Hg <sup>2+</sup> -N-protected amino acid systems. <i>Dalton Transactions RSC</i> , 2001, , 1513-1519.	2.3	21
61	Sugar complexes with metal <sup>2+</sup> ions: thermodynamic parameters of associations of Ca <sup>2+</sup> , Mg <sup>2+</sup> and Zn <sup>2+</sup> with galactaric acid. <i>Carbohydrate Research</i> , 2001, 336, 55-61.	1.1	32
62	From Field to Shelf: How Microwave-Assisted Extraction Techniques Foster an Integrated Green Approach. , 0, , .		6