

# Irina Fierascu

## List of Publications by Year in descending order

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92  
papers

1,149  
citations

331259

21  
h-index

433756

31  
g-index

93  
all docs

93  
docs citations

93  
times ranked

1384  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recovery of Natural Antioxidants from Agro-Industrial Side Streams through Advanced Extraction Techniques. <i>Molecules</i> , 2019, 24, 4212.	1.7	88
2	Fruits By-Products – A Source of Valuable Active Principles. A Short Review. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 319.	2.0	83
3	Phyto-mediated metallic nano-architectures via <i>Melissa officinalis</i> L.: synthesis, characterization and biological properties. <i>Scientific Reports</i> , 2017, 7, 12428.	1.6	58
4	Innovative Approaches for Recovery of Phytoconstituents from Medicinal/Aromatic Plants and Biotechnological Production. <i>Molecules</i> , 2020, 25, 309.	1.7	57
5	Phytochemical Profile and Biological Activities of <i>Satureja hortensis</i> L.: A Review of the Last Decade. <i>Molecules</i> , 2018, 23, 2458.	1.7	51
6	Mitodepressive, antioxidant, antifungal and anti-inflammatory effects of wild-growing Romanian native <i>Arctium lappa</i> L. ( Asteraceae ) and <i>Veronica persica</i> Poiret ( Plantaginaceae ). <i>Food and Chemical Toxicology</i> , 2018, 111, 44-52.	1.8	46
7	In vitro and in vivo evaluation of antioxidant properties of wild-growing plants. A short review. <i>Current Opinion in Food Science</i> , 2018, 24, 1-8.	4.1	41
8	Phytosynthesis and radiation-assisted methods for obtaining metal nanoparticles. <i>Journal of Materials Science</i> , 2020, 55, 1915-1932.	1.7	33
9	Genoprotective, antioxidant, antifungal and anti-inflammatory evaluation of hydroalcoholic extract of wild-growing <i>Juniperus communis</i> L. (Cupressaceae) native to Romanian southern sub-Carpathian hills. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 3.	3.7	32
10	Phytosynthesis of gold and silver nanoparticles enhance in vitro antioxidant and mitostimulatory activity of <i>Aconitum toxicum</i> Reichenb. rhizomes alcoholic extracts. <i>Materials Science and Engineering C</i> , 2018, 93, 746-758.	3.8	32
11	Phytosynthesized Metallic Nanoparticles – between Nanomedicine and Toxicology. A Brief Review of 2019’s Findings. <i>Materials</i> , 2020, 13, 574.	1.3	31
12	Grapevine Wastes: A Rich Source of Antioxidants and Other Biologically Active Compounds. <i>Antioxidants</i> , 2022, 11, 393.	2.2	30
13	<i>Fragaria</i> Genus: Chemical Composition and Biological Activities. <i>Molecules</i> , 2020, 25, 498.	1.7	29
14	Caosite-hydroxyapatite composition as consolidating material for the chalk stone from Basarabi – Murfatlar churches ensemble. <i>Applied Surface Science</i> , 2015, 358, 612-618.	3.1	27
15	Selected Aspects Related to Medicinal and Aromatic Plants as Alternative Sources of Bioactive Compounds. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1521.	1.8	27
16	Phyto-Nanocatalysts: Green Synthesis, Characterization, and Applications. <i>Molecules</i> , 2019, 24, 3418.	1.7	26
17	Selected Aspects Regarding the Restoration/Conservation of Traditional Wood and Masonry Building Materials: A Short Overview of the Last Decade Findings. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1164.	1.3	26
18	Comparative analytical characterization and in vitro cytogenotoxic activity evaluation of <i>Asplenium scolopendrium</i> L. leaves and rhizome extracts prior to and after Ag nanoparticles phytosynthesis. <i>Industrial Crops and Products</i> , 2016, 83, 379-386.	2.5	25

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19	Innovative phytosynthesized silver nanoarchitectures with enhanced antifungal and antioxidant properties. <i>Applied Surface Science</i> , 2015, 358, 540-548.	3.1	23
20	A Short Overview of Recent Developments on Antimicrobial Coatings Based on Phytosynthesized Metal Nanoparticles. <i>Coatings</i> , 2019, 9, 787.	1.2	23
21	Recent Progress in the Application of Hydroxyapatite for the Adsorption of Heavy Metals from Water Matrices. <i>Materials</i> , 2021, 14, 6898.	1.3	23
22	Thermal and mineralogical investigations of historical ceramic. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 487-493.	2.0	22
23	Thermal analysis of Romanian ancient ceramics. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 102, 393-398.	2.0	21
24	Photodissociation of the HeH <sup>+</sup> molecular ion. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 165101.	0.6	20
25	The appreciation of mineral element accumulation level in some herbaceous plants species by ICP-AES method. <i>Environmental Science and Pollution Research</i> , 2010, 17, 1230-1236.	2.7	20
26	Mesoporous Silica Materials Loaded with Gallic Acid with Antimicrobial Potential. <i>Nanomaterials</i> , 2022, 12, 1648.	1.9	17
27	Tuned apatitic materials: Synthesis, characterization and potential antimicrobial applications. <i>Applied Surface Science</i> , 2018, 438, 127-135.	3.1	16
28	In Vitro and In Vivo Evaluation of Silver Nanoparticles Phytosynthesized Using Raphanus sativus L. Waste Extracts. <i>Materials</i> , 2021, 14, 1845.	1.3	16
29	Recent Developments in the Application of Inorganic Nanomaterials and Nanosystems for the Protection of Cultural Heritage Organic Artifacts. <i>Nanomaterials</i> , 2022, 12, 207.	1.9	15
30	Complex archaeometallurgical investigation of silver coins from the XVI th -XVIII th century. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2017, 401, 18-24.	0.6	13
31	Efficient removal of phenol from aqueous solutions using hydroxyapatite and substituted hydroxyapatites. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 122, 155-175.	0.8	10
32	Overview on Mechanical Recycling by Chain Extension of POSTC-PET Bottles. , 0, , .		9
33	Archaeometallurgical Characterization of Numismatic Artifacts. <i>Instrumentation Science and Technology</i> , 2015, 43, 107-114.	0.9	9
34	Thermal and mineralogical investigations of iron archaeological materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 1247-1253.	2.0	8
35	Stone Monuments Consolidation with Nanomaterials. <i>Key Engineering Materials</i> , 0, 660, 383-388.	0.4	7
36	Thermal and spectroscopic investigation of Romanian historical documents from the nineteenth and twentieth century. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 1309-1318.	2.0	7

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37	Romanian Aromatic and Medicinal Plants: From Tradition to Science. , 0, , .		7
38	Influence of the Phytosynthesis of Noble Metal Nanoparticles on the Cytotoxic and Genotoxic Effects of Aconitum toxicum Reichenb. Leaves Alcoholic Extract. Journal of Cluster Science, 2019, 30, 647-660.	1.7	7
39	Chemical and mineral characterization of Romanian book paper materials (XVIIâ€“XIXth century). Microchemical Journal, 2020, 152, 104307.	2.3	7
40	Isolation and Cultivation of Some Pathogen Fungi from Apple and Grapevines Grown in Arges County. Revista De Chimie (discontinued), 2019, 70, 3913-3916.	0.2	7
41	The Influence of Six Pesticides on Physiological Indices of Pelophylax Ridibundus (Pallas, 1771). Bulletin of Environmental Contamination and Toxicology, 2018, 100, 376-383.	1.3	6
42	<i>Leonurus cardiaca</i> L. as a Source of Bioactive Compounds: An Update of the European Medicines Agency Assessment Report (2010). BioMed Research International, 2019, 2019, 1-13.	0.9	6
43	Influence of gamma irradiation on the biological properties of Asplenium scolopendrium L. hydroalcoholic extracts. Radiation Physics and Chemistry, 2021, 181, 109175.	1.4	6
44	Plantago media L.â€”Explored and Potential Applications of an Underutilized Plant. Plants, 2021, 10, 265.	1.6	6
45	Application of Polypodiopsida Class in Nanotechnologyâ€”Potential towards Development of More Effective Bioactive Solutions. Antioxidants, 2021, 10, 748.	2.2	6
46	APPLICATION OF INDUCTIVELY COUPLED PLASMA - ATOMIC EMISSION SPECTROSCOPY (ICP-AES) BASED ANALYSIS FOR WATER QUALITY CONTROL. Environmental Engineering and Management Journal, 2009, 8, 347-351.	0.2	6
47	Non-invasive microanalysis of a written page from the Romanian heritage â€œThe Homiliary of Varlaam (Cazania lui Varlaam)â€• Microchemical Journal, 2021, 168, 106345.	2.3	5
48	Application of Fourier-Transform Infrared Spectroscopy (FTIR) for the Study of Cultural Heritage Artifacts. Communications in Computer and Information Science, 2019, , 3-9.	0.4	5
49	Removal of Paracetamol from Aqueous Solutions by Photocatalytic Ozonation over TiO2-MexOy Thin Films. Nanomaterials, 2022, 12, 613.	1.9	5
50	Micro-analytical and microbiological investigation of selected book papers from the nineteenth century. Journal of Thermal Analysis and Calorimetry, 2017, 129, 1377-1387.	2.0	4
51	Analytical Characterization and Potential Antimicrobial and Photocatalytic Applications of Metal-Substituted Hydroxyapatite Materials. Analytical Letters, 2019, 52, 2332-2347.	1.0	4
52	In vitro mitodepressive activity of phytofabricated silver oxide nanoparticles (Ag2O-NPs) by leaves extract of Helleborus odoratus Waldst. & Kit. ex Willd. Materials Letters, 2021, 286, 129194.	1.3	4
53	Natural Ingredients in Functional Coatingsâ€”Recent Advances and Future Challenges. Coatings, 2021, 11, 429.	1.2	4
54	Ecotoxicological Studies on the Action of Actara 25 WG Insecticide on Prussian Carp (Carassius) Tj ETQq0 0 0 rgBT_Overlock_10 Tf 50 6	1.6	4

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55	Sustainable Use of Cruciferous Wastes in Nanotechnological Applications. <i>Coatings</i> , 2022, 12, 769.	1.2	4
56	Microencapsulated fertilizers for plant nutrition improvement. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 659-668.	0.4	3
57	ANALYTICAL INVESTIGATIONS OF VANADYL PORPHYRIN FROM CARPATHIAN ROCKS. <i>Environmental Engineering and Management Journal</i> , 2010, 9, 827-831.	0.2	3
58	Silver nanoparticles produced by green production method. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
59	Nanotechnology applied in archaeometry: restoration and conservation. , 2010, , .		2
60	Lead-Induced Physiological, Biochemical and Enzymatic Changes in <i>Asplenium scolopendrium</i> L.. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 100, 438-443.	1.3	2
61	Evaluation of histophysiological alterations associated with ketoprofen administration in albino NMRI mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2020, 393, 1033-1039.	1.4	2
62	BIOSYNTHESIS OF SILVER AND GOLD NANOPARTICLES VIA PIGMENTS EXTRACTED FROM <i>SPINACIA OLERACEA</i> . <i>Environmental Engineering and Management Journal</i> , 2011, 10, 231-235.	0.2	2
63	ENVIRONMENTALLY FRIENDLY PHYTOSYNTHESIS OF SILVER-BASED MATERIALS USING <i>Cornus mas</i> L. FRUITS. <i>Environmental Engineering and Management Journal</i> , 2016, 15, 2085-2094.	0.2	2
64	Photoionization of the alkali dimer cations $Li^{+2}$ , $Na^{+2}$ and $LiNa^{+}$ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, 1821-1832.	0.6	1
65	Influence of the morphology of thermoplastic elastomers on the properties of bitumen composites. <i>Journal of Elastomers and Plastics</i> , 2012, 44, 165-176.	0.7	1
66	Nanomaterials and preservation mechanisms of architecture monuments. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
67	The Protective Role of Thiourea on <i>Leuciscus cephalus</i> Exposed to Sublethal Doses of Pendigan 330EC (Pendimethalin) Herbicide. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 97, 203-210.	1.3	1
68	Influence of Făcintă Lake (Chalk Lake) Water on the Degradation of Basarabiâ€œMurfatlar Churches. , 2015, , 543-546.		1
69	ANTIFUNGAL EFFECT OF NATURAL EXTRACTS ON ENVIRONMENTAL BIODETERIOGENS AFFECTING THE ARTIFACTS. <i>Environmental Engineering and Management Journal</i> , 2017, 16, 2435-2442.	0.2	1
70	Natural Sources of Plant Secondary Metabolites and the Role of Plant Polyphenols in the Green Photosynthesis of Metallic Nanoparticles. , 2022, , 47-75.		1
71	Photonic metallic nanostructures in photodynamic therapy. , 2009, , .		0
72	Advanced new materials with various applications. , 2009, , .		0

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73	Nano-engineered materials based on fullerenes: synthesis and biomedical applications. , 2010, , .		0
74	Synergistic effects of apelin and leptin on isolated rat pulmonary arteries. Open Medicine (Poland), 2011, 6, 490-496.	0.6	0
75	Alternative recipes for the removal of fungal colonies affecting historical artifacts. Proceedings of SPIE, 2012, , .	0.8	0
76	Adsorption of Dyes from Aqueous Solutions Using Apatitic Materials. Proceedings (mdpi), 2019, 29, 32.	0.2	0
77	The Germination of Spores and Gametophyte Development in Ferns under Extracts Influence. Proceedings (mdpi), 2019, 29, .	0.2	0
78	Water Treatment Using Integrated Catalytic Reduction/Oxidation and Biofiltration Processes. Proceedings (mdpi), 2020, 57, .	0.2	0
79	Evaluation of Commercial Consolidant Products Commonly Used for the Conservation of Wooden Artifacts. Proceedings (mdpi), 2020, 57, 32.	0.2	0
80	From Space to Earthâ€™AIRFARE: A Project for the Cultural Heritage Preservation. Proceedings (mdpi), 2020, 57, 53.	0.2	0
81	Nanotechnological Approaches for Horticultureâ€™Results Obtained in the Biohortinov Project. Proceedings (mdpi), 2020, 57, 54.	0.2	0
82	Isolation of Monilinia fructigena from the Idared Apple Variety in Order to Test Some Bio-Fungicides. Proceedings (mdpi), 2020, 57, 63.	0.2	0
83	Environmental Management and Precision Agriculture Through Satellite Technologies and Classic Methods of Investigation. Proceedings (mdpi), 2020, 57, .	0.2	0
84	Archaeometrical Characterization of Romanian Late Bronze Age Ceramic Fragments. Frontiers in Materials, 2021, 8, .	1.2	0
85	NEW MATERIALS FOR WATER OZONIZATION. Environmental Engineering and Management Journal, 2009, 8, 733-736.	0.2	0
86	NANOPARTICLE-BASED MATERIALS FOR CATALYSIS. Environmental Engineering and Management Journal, 2009, 8, 737-740.	0.2	0
87	BIOACCUMULATION AND EFFECTS OF ALUMINIUM CONTENT IN ALLEATO 80 WG FUNGICIDE ON SOME LUMBRICIDAE SPECIES. Environmental Engineering and Management Journal, 2017, 16, 891-896.	0.2	0
88	Metallic nanoparticles obtained through phytosynthesis: new advanced materials of the twenty-first century. , 2018, , .		0
89	Analytical methods based on ionizing radiation for the non-destructive analysis of cultural heritage objects. , 2018, , .		0
90	Potential Application of Apatitic Materials Substituted with Co and Zn as Antimicrobial Treatment in the Preservation of Cultural Heritage. , 2022, 7, .		0

#	ARTICLE	IF	CITATIONS
91	Phytotoxicity of Clematis vitalba L. (Ranunculaceae) Aqueous Extract and Nanostructured Mixture. , 2022, 7, .		0
92	Porous Materials as Platforms for the Delivery of Polyphenols. , 2022, 7, .		0