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List of Publications by Year
in descending order

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Version: 2024-02-01

92 papers	2,217 citations	159358 30 h-index	264894 42 g-index
92 all docs	92 docs citations	92 times ranked	1392 citing authors

#	Article	IF	Citations
1	Removal of Methylene Blue on Thermally Treated Natural Zeolites. Analytical Letters, 2022, 55, 226-236.	1.0	4
2	Heavy metals and health risk assessment in vegetables grown in the vicinity of a former non-metallic facility located in Romania. Environmental Science and Pollution Research, 2022, 29, 40079-40093.	2.7	11
3	Simulated Bioavailability of Heavy Metals (Cd, Cr, Cu, Pb, Zn) in Contaminated Soil Amended with Natural Zeolite Using Diffusive Gradients in Thin-Films (DGT) Technique. Agriculture (Switzerland), 2022, 12, 321.	1.4	15
4	Characterization of Biobriquettes Produced from Vineyard Wastes as a Solid Biofuel Resource. Agriculture (Switzerland), 2022, 12, 341.	1.4	5
5	Exploring the Properties of Micronized Natural Zeolitic Volcanic Tuff as Cosmetic Ingredient. Materials, 2022, 15, 2405.	1.3	3
6	Preparation and Characterization of Doxycycline-Loaded Electrospun PLA/HAP Nanofibers as a Drug Delivery System. Materials, 2022, 15, 2105.	1.3	24
7	Dependence of Structural, Morphological and Magnetic Properties of Manganese Ferrite on Ni-Mn Substitution. International Journal of Molecular Sciences, 2022, 23, 3097.	1.8	52
8	Effect of Transition Metal Doping on the Structural, Morphological, and Magnetic Properties of NiFe2O4. Materials, 2022, 15, 2996.	1.3	6
9	Structural, morphological and photocatalytic properties of Ni-Mn ferrites: Influence of the Ni:Mn ratio. Journal of Alloys and Compounds, 2022, 913, 165129.	2.8	16
10	Characteristics of Volcanic Tuff from Macicasu (Romania) and Its Capacity to Remove Ammonia from Contaminated Air. Molecules, 2022, 27, 3503.	1.7	5
11	Simultaneous Removal of Heavy Metals (Cu, Cd, Cr, Ni, Zn and Pb) from Aqueous Solutions Using Thermally Treated Romanian Zeolitic Volcanic Tuff. Molecules, 2022, 27, 3938.	1.7	17
12	Metal Contents and Pollution Indices Assessment of Surface Water, Soil, and Sediment from the ArieÈ™ River Basin Mining Area, Romania. Sustainability, 2022, 14, 8024.	1.6	14
13	Spatioâ€temporal insights into microbiology of the freshwaterâ€toâ€hypersaline, oxicâ€hypoxicâ€euxinicÂwaters ofÂUrsu Lake. Environmental Microbiology, 2021, 23, 3523-3540.	1.8	25
14	Green Protocols for the Isolation of Carbohydrates from Vineyard Vine-Shoot Waste. Analytical Letters, 2021, 54, 70-87.	1.0	6
15	Adsorption and desorption behavior of natural and synthetic active compounds on hydroxyapatite-based nanocomposites. Ceramics International, 2021, 47, 8584-8592.	2.3	4
16	Influence of Mn2+ substitution with Co2+ on structural, morphological and coloristic properties of MnFe2O4/SiO2 nanocomposites. Materials Characterization, 2021, 172, 110835.	1.9	18
17	Ion release from hydroxyapatite and substituted hydroxyapatites in different immersion liquids: in vitro experiments and theoretical modelling study. Royal Society Open Science, 2021, 8, 201785.	1.1	35
18	Formation, Structure and Magnetic Properties of MFe2O4@SiO2 (M = Co, Mn, Zn, Ni, Cu) Nanocomposites. Materials, 2021, 14, 1139.	1.3	73

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19	Water Quality and Hydrogeochemical Characteristics of Some Karst Water Sources in Apuseni Mountains, Romania. Water (Switzerland), 2021, 13, 857.	1.2	17
20	Use of Black Poplar Leaves for the Biomonitoring of Air Pollution in an Urban Agglomeration. Plants, 2021, 10, 548.	1.6	7
21	Eco-Friendly Nitrogen-Doped Graphene Preparation and Design for the Oxygen Reduction Reaction. Molecules, 2021, 26, 3858.	1.7	5
22	Recent Advances in Synthesis and Applications of MFe2O4 (M = Co, Cu, Mn, Ni, Zn) Nanoparticles. Nanomaterials, 2021, 11, 1560.	1.9	168
23	Method validation for the determination of exchangeable cations in natural zeolites using inductively coupled plasma optical emission spectrometry. Studia Universitatis Babes-Bolyai Chemia, 2021, 66, 81-94.	0.1	1
24	Immobilization of Potentially Toxic Elements in Contaminated Soils Using Thermally Treated Natural Zeolite. Materials, 2021, 14, 3777.	1.3	11
25	Assessment of Lithium, Macro- and Microelements in Water, Soil and Plant Samples from Karst Areas in Romania. Materials, 2021, 14, 4002.	1.3	14
26	Spatial Variation of Water Chemistry in Aries River Catchment, Western Romania. Applied Sciences (Switzerland), 2021, 11, 6592.	1.3	6
27	Impact of annealing temperature and ferrite content embedded in SiO2 matrix on the structure, morphology and magnetic characteristics of (Co0.4Mn0.6Fe2O4)Î´ (SiO2)100-Î´ nanocomposites. Journal of Alloys and Compounds, 2021, 868, 159203.	2.8	42
28	Evaluation of the Impact of Different Natural Zeolite Treatments on the Capacity of Eliminating/Reducing Odors and Toxic Compounds. Materials, 2021, 14, 3724.	1.3	11
29	Effect of Silica Embedding on the Structure, Morphology and Magnetic Behavior of (Zn0.6Mn0.4Fe2O4)Î´/(SiO2)(100â^'Î´) Nanoparticles. Nanomaterials, 2021, 11, 2232.	1.9	52
30	Investigation on the formation, structural and photocatalytic properties of mixed Mn-Zn ferrites nanoparticles embedded in SiO2 matrix. Journal of Analytical and Applied Pyrolysis, 2021, 158, 105281.	2.6	29
31	Design, in vitro bioactivity and in vivo influence on oxidative stress and matrix metalloproteinases of bioglasses in experimental skin wound. Journal of Trace Elements in Medicine and Biology, 2021, 68, 126846.	1.5	6
32	Application of Inductively Coupled Plasma Spectrometric Techniques and Multivariate Statistical Analysis in the Hydrogeochemical Profiling of Cavesâ€"Case Study CloÈ™ani, Romania. Molecules, 2021, 26, 6788.	1.7	4
33	Effect of heat-treatment temperature and zinc addition on magnetostructural and surface properties of manganese nanoferrite prepared by an ecofriendly solâ€"gel synthesis. Journal of Materials Research and Technology, 2021, 15, 6528-6540.	2.6	2
34	Simultaneous Determination of Vitamins D3 (Calcitriol, Cholecalciferol) and K2 (Menaquinone-4 and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.7	3
35	Analytical Performance and Validation of a Reliable Method Based on Graphite Furnace Atomic Absorption Spectrometry for the Determination of Gold Nanoparticles in Biological Tissues. Nanomaterials, 2021, 11, 3370.	1.9	5
36	Sol-Gel Synthesis, Structure, Morphology and Magnetic Properties of Ni0.6Mn0.4Fe2O4 Nanoparticles Embedded in SiO2 Matrix. Nanomaterials, 2021, 11, 3455.	1.9	13

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37	Graphene Oxides/Carbon Nanotubesâ€“Hydroxyapatite Nanocomposites for Biomedical Applications. Arabian Journal for Science and Engineering, 2020, 45, 219-227.	1.7	21
38	Organochlorine pesticides and dissolved organic matter within a system of urban exorheic lakes. Environmental Monitoring and Assessment, 2020, 192, 59.	1.3	6
39	Characterization of Lycium barbarum L. berry cultivated in North Macedonia: AÂchemometric approach. Journal of Berry Research, 2020, 10, 223-241.	0.7	10
40	Microstructure, porosity and magnetic properties of Zn0.5Co0.5Fe2O4/SiO2 nanocomposites prepared by sol-gel method using different polyols. Journal of Magnetism and Magnetic Materials, 2020, 498, 166168.	1.0	42
41	Spatial variation of organochlorine pesticides and dissolved organic matter in urban closed lakes. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2020, 55, 329-341.	0.7	6
42	Effect of amorphous SiO2 matrix on structural and magnetic properties of Cu0.6Co0.4Fe2O4/SiO2 nanocomposites. Journal of Alloys and Compounds, 2020, 849, 156695.	2.8	64
43	Performance Parameters of Inductively Coupled Plasma Optical Emission Spectrometry and Graphite Furnace Atomic Absorption Spectrometry Techniques for Pd and Pt Determination in Automotive Catalysts. Materials, 2020, 13, 5136.	1.3	12
44	Temporal Trend of PM10 and Associated Human Health Risk over the Past Decade in Cluj-Napoca City, Romania. Applied Sciences (Switzerland), 2020, 10, 5331.	1.3	9
45	Sustainable Biomass Pellets Production Using Vineyard Wastes. Agriculture (Switzerland), 2020, 10, 501.	1.4	10
46	Effects of Thermal Treatment on Natural Clinoptilolite-Rich Zeolite Behavior in Simulated Biological Fluids. Molecules, 2020, 25, 2570.	1.7	24
47	Impact of Cu2+ substitution by Co2+ on the structural and magnetic properties of CuFe2O4 synthesized by sol-gel route. Materials Characterization, 2020, 163, 110248.	1.9	48
48	Investigation of thermal, structural, morphological and photocatalytic properties of CuxCo1-xFe2O4 (0Ââ‰ÂxÂâ‰Â1) nanoparticles embedded in SiO2 matrix. Materials Characterization, 2020, 163, 110268.	1.9	56
49	Chemical, Nutritional and Antioxidant Characteristics of Different Food Seeds. Applied Sciences (Switzerland), 2020, 10, 1589.	1.3	20
50	Development and Validation of a Spectrometric Method for Cd and Pb Determination in Zeolites and Safety Evaluation. Molecules, 2020, 25, 2591.	1.7	6
51	Bioethanol Production from Vineyard Waste by Autohydrolysis Pretreatment and Chlorite Delignification via Simultaneous Saccharification and Fermentation. Molecules, 2020, 25, 2606.	1.7	24
52	Influence of ferrite to silica ratio and thermal treatment on porosity, surface, microstructure and magnetic properties of Zn0.5Ni0.5Fe2O4/SiO2 nanocomposites. Journal of Alloys and Compounds, 2020, 828, 154409.	2.8	43
53	Influence of Cu2+, Ni2+, and Zn2+ Ions Doping on the Structure, Morphology, and Magnetic Properties of Co-Ferrite Embedded in SiO2 Matrix Obtained by an Innovative Sol-Gel Route. Nanomaterials, 2020, 10, 580.	1.9	68
54	Vine shoots waste â€“ new resources for bioethanol production. Romanian Biotechnological Letters, 2020, 25, 1253-1259.	0.5	6

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55	Optimized Removal of Methylene Blue from Aqueous Solution using a Commercial Natural Activated Plant-Based Carbon and Taguchi Experimental Design. Analytical Letters, 2019, 52, 150-162.	1.0	4
56	Comparative study on physicochemical and mechanical characterization of newnanocarbon-based hydroxyapatite nanocomposites. Turkish Journal of Chemistry, 2019, 43, 809-824.	0.5	7
57	Investigation of structural and magnetic properties of NixZn1-xFe2O4/SiO2 (0â‰¤xâ‰¤1) spinel-based nanocomposites. Journal of Analytical and Applied Pyrolysis, 2019, 144, 104713.	2.6	49
58	Thermal behavior and effect of SiO2 and PVA-SiO2 matrix on formation of Niâ€“Zn ferrite nanoparticles. Journal of Thermal Analysis and Calorimetry, 2019, 138, 3845-3855.	2.0	2
59	The impact of polyol structure on the formation of Zn0.6Co0.4Fe2O4 spinel-based pigments. Journal of Sol-Gel Science and Technology, 2019, 92, 736-744.	1.1	57
60	Effect of nickel content on structural, morphological and magnetic properties of Ni Co1-Fe2O4/SiO2 nanocomposites. Journal of Alloys and Compounds, 2019, 786, 330-340.	2.8	51
61	Enhancing lipid production of Synechocystis PCC 6803 for biofuels production, through environmental stress exposure. Renewable Energy, 2019, 143, 243-251.	4.3	11
62	Influence of zinc substitution with cobalt on thermal behaviour, structure and morphology of zinc ferrite embedded in silica matrix. Journal of Solid State Chemistry, 2019, 275, 159-166.	1.4	43
63	Thermal behavior of Ni, Co and Fe succinates embedded in silica matrix. Journal of Thermal Analysis and Calorimetry, 2019, 136, 1587-1596.	2.0	41
64	Effect of Zn content on structural, morphological and magnetic behavior of ZnxCo1-xFe2O4/SiO2 nanocomposites. Journal of Alloys and Compounds, 2019, 792, 432-443.	2.8	44
65	Orange Snowâ€”A Saharan Dust Intrusion over Romania During Winter Conditions. Remote Sensing, 2019, 11, 2466.	1.8	20
66	Mercury Determination in Natural Zeolites by Thermal Decomposition Atomic Absorption Spectrometry: Method Validation in Compliance with Requirements for Use as Dietary Supplements. Molecules, 2019, 24, 4023.	1.7	19
67	Metal (Pb, Cu, Cd, and Zn) Transfer along Food Chain and Health Risk Assessment through Raw Milk Consumption from Free-Range Cows. International Journal of Environmental Research and Public Health, 2019, 16, 4064.	1.2	53
68	Influence of polyol structure and molecular weight on the shape and properties of Ni0.5Co0.5Fe2O4 nanoparticles obtained by sol-gel synthesis. Ceramics International, 2019, 45, 7458-7467.	2.3	52
69	Quality and Human Health Risk Assessment of Metals and Nitrogen Compounds in Drinking Water from an Urban Area Near a Former Non-Ferrous Ore Smelter. Analytical Letters, 2019, 52, 1268-1281.	1.0	16
70	HYDROXYAPATITE - CARBON NANOTUBE COMPOSITES FOR DRUG DELIVERY APPLICATIONS. Brazilian Journal of Chemical Engineering, 2019, 36, 913-922.	0.7	8
71	Kinetic, Equilibrium and Phytotoxicity Studies for Dyes Removal by Low Cost Natural Activated Plant-Based Carbon. Acta Chimica Slovenica, 2019, 66, 850-858.	0.2	1
72	Influence of cobalt ferrite content on the structure and magnetic properties of (CoFe2O4)X (SiO2-PVA)100-X nanocomposites. Ceramics International, 2018, 44, 7891-7901.	2.3	41

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73	Formation of CoFe 2 O 4 /PVA-SiO 2 nanocomposites: Effect of diol chain length on the structure and magnetic properties. Ceramics International, 2018, 44, 10478-10485.	2.3	44
74	Mercury speciation in fish tissue by eco-scale thermal decomposition atomic absorption spectrometry: method validation and risk exposure to methylmercury. Chemical Papers, 2018, 72, 441-448.	1.0	18
75	Solid-state structure and solution behaviour of organomercury(II) compounds containing 2-(Me2NCH2)C6H4- moieties. Supramolecular aspects. Inorganica Chimica Acta, 2018, 475, 90-97.	1.2	0
76	Metal contents and potential health risk assessment of crops grown in a former mining district (Romania). Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2018, 53, 595-601.	0.7	14
77	A possible formation mechanism and photocatalytic properties of CoFe2O4/PVA-SiO2 nanocomposites. Thermochimica Acta, 2018, 666, 103-115.	1.2	49
78	Preparation and characterization of hydroxyapatite based nano-composite biomorphic implants. Studia Universitatis Babes-Bolyai Chemia, 2018, 63, 137-154.	0.1	1
79	Chemical modeling of groundwater in the Banat Plain, southwestern Romania, with elevated As content and co-occurring species by combining diagrams and unsupervised multivariate statistical approaches. Chemosphere, 2017, 172, 127-137.	4.2	19
80	Effect of annealing on the structure and magnetic properties of CoFe2O4:SiO2 nanocomposites. Ceramics International, 2017, 43, 9145-9152.	2.3	45
81	Sol-gel synthesis of CoFe2O4:SiO2 nanocomposites â€“ insights into the thermal decomposition process of precursors. Journal of Analytical and Applied Pyrolysis, 2017, 125, 169-177.	2.6	44
82	Size and shape-controlled synthesis and characterization of CoFe2O4 nanoparticles embedded in a PVA-SiO2 hybrid matrix. Journal of Analytical and Applied Pyrolysis, 2017, 128, 121-130.	2.6	42
83	Thermal behavior of CoxFe3â^'xO4/SiO2 nanocomposites obtained by a modified solâ€“gel method. Journal of Thermal Analysis and Calorimetry, 2017, 128, 39-52.	2.0	44
84	Structure and magnetic properties of CoFe2O4/SiO2 nanocomposites obtained by sol-gel and post annealing pathways. Ceramics International, 2017, 43, 2113-2122.	2.3	45
85	Preparation of CoFe₂O₄/SiO₂Nanocomposites at Low Temperatures Using Short Chain Diols. Journal of Chemistry, 2017, 2017, 1-11.	0.9	35
86	Assessment of Availability and Human Health Risk Posed by Arsenic Contaminated Well Waters from Timis-Bega Area, Romania. Journal of Analytical Methods in Chemistry, 2017, 2017, 1-7.	0.7	21
87	ASSESSMENT OF METAL CONTAMINATION AND ECOLOGICAL RISK IN URBAN SOILS SITUATED NEAR A METALLURGICAL COMPLEX. Environmental Engineering and Management Journal, 2017, 16, 1623-1630.	0.2	11
88	Silicon release from hydroxyapatites in water and simulated body fluid. Studia Universitatis Babes-Bolyai Chemia, 2017, 62, 67-80.	0.1	1
89	ASSESSMENT OF HEAVY METALS IN COWS MILK IN RODNEI MOUNTAINS AREA, ROMANIA. Environmental Engineering and Management Journal, 2015, 14, 2523-2528.	0.2	32
90	Determination of Major-to-Trace Minerals and Polyphenols in Different Apple Cultivars. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2014, 42, 523-529.	0.5	18

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91	THE INFLUENCE OF ENVIRONMENTAL CONTAMINATION ON HEAVY METALS AND ORGANOCHLORINE COMPOUNDS LEVELS IN MILK. Environmental Engineering and Management Journal, 2011, 10, 37-42.	0.2	6
92	Progress, Challenges and Opportunities in Divalent Transition Metal-Doped Cobalt Ferrites Nanoparticles Applications. , 0, , .		5