Antoaneta Ene

List of Publications by Year
in descending order

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103 papers	1,170 citations	471509 17 h-index	454955 30 g-index
103 all docs	103 docs citations	103 times ranked	937 citing authors

#	Article	IF	Citations
1	Modern enabling techniques and adsorbents based dye removal with sustainability concerns in textile industrial sector -A comprehensive review. Journal of Cleaner Production, 2020, 272, 122636.	9.3	153
2	Heavy metal and nitrogen concentrations in mosses are declining across Europe whilst some â€œhotspotsâ€•remain in 2010. Environmental Pollution, 2015, 200, 93-104.	7.5	136
3	Levels and distribution of organochlorine pesticides (OCPs) and polycyclic aromatic hydrocarbons (PAHs) in topsoils from SE Romania. Science of the Total Environment, 2012, 439, 76-86.	8.0	52
4	A detailed investigation on highly dense CuZr bulk metallic glasses for shielding purposes. Open Chemistry, 2022, 20, 69-80.	1.9	45
5	An Investigative Study on the Progress of Nanoclay-Reinforced Polymers: Preparation, Properties, and Applications: A Review. Polymers, 2021, 13, 4401.	4.5	43
6	Gamma, neutron, and heavy charged ion shielding properties of Er³⁺-doped and Sm³⁺-doped zinc borate glasses. Open Chemistry, 2022, 20, 130-145.	1.9	38
7	Glass fabrication using ceramic and porcelain recycled waste and lithium niobate: physical, structural, optical and nuclear radiation attenuation properties. Journal of Materials Research and Technology, 2021, 15, 4074-4085.	5.8	36
8	Enhancement of Gamma-ray Shielding Properties in Cobalt-Doped Heavy Metal Borate Glasses: The Role of Lanthanum Oxide Reinforcement. Materials, 2021, 14, 7703.	2.9	33
9	Assessment of copper and zinc levels in fish from freshwater ecosystems of Moldova. Environmental Science and Pollution Research, 2012, 19, 2238-2247.	5.3	32
10	Determination of polycyclic aromatic hydrocarbons by gas chromatographyâ€“mass spectrometry in soils from Southeastern Romania. Microchemical Journal, 2012, 100, 36-41.	4.5	25
11	Gamma, Fast Neutron, Proton, and Alpha Shielding Properties of Borate Glasses: A Closer Look on Lead (II) Oxide and Bismuth (III) Oxide Reinforcement. Applied Sciences (Switzerland), 2021, 11, 6837.	2.5	25
12	Heavy metal oxide (HMO) glasses as an effective member of glass shield family: A comprehensive characterization on gamma ray shielding properties of various structures. Journal of Materials Research and Technology, 2022, 18, 231-244.	5.8	23
13	Gamma-Ray Protection Properties of Bismuth-Silicate Glasses against Some Diagnostic Nuclear Medicine Radioisotopes: A Comprehensive Study. Materials, 2021, 14, 6668.	2.9	22
14	Temporal variability of sewage sludge heavy metal content from Greek wastewater treatment plants. Ecological Chemistry and Engineering S, 2016, 23, 271-283.	1.5	21
15	Exploring the FTIR, Optical and Nuclear Radiation Shielding Properties of Samarium-Borate Glass: A Characterization through Experimental and Simulation Methods. Nanomaterials, 2021, 11, 1713.	4.1	21
16	Novel Cu/Zn Reinforced Polymer Composites: Experimental Characterization for Radiation Protection Efficiency (RPE) and Shielding Properties for Alpha, Proton, Neutron, and Gamma Radiations. Polymers, 2021, 13, 3157.	4.5	19
17	Instrumental neutron activation analysis of some fish species from Danube River in Romania. Microchemical Journal, 2012, 103, 142-147.	4.5	18
18	Natural Radioactivity, Radiological Hazard and Petrographical Studies on Aswan Granites Used as Building Materials in Egypt. Applied Sciences (Switzerland), 2021, 11, 6471.	2.5	18

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19	Radiological Hazards and Natural Radionuclide Distribution in Granitic Rocks of Homrit Waggat Area, Central Eastern Desert, Egypt. Materials, 2022, 15, 4069.	2.9	18
20	Novel HMO-Glasses with Sb2O3 and TeO2 for Nuclear Radiation Shielding Purposes: A Comparative Analysis with Traditional and Novel Shields. Materials, 2021, 14, 4330.	2.9	17
21	Mechanical properties, elastic moduli, transmission factors, and gamma-ray-shielding performances of Bi₂O₃â€“P₂O₅â€“B₂O₃â€“V₂O₅ quaternary glass system. Open Chemistry, 2022, 20, 314-329.	1.9	17
22	Trace Element Geochemistry and Genesis of Beryl from Wadi Nugrus, South Eastern Desert, Egypt. Minerals (Basel, Switzerland), 2022, 12, 206.	2.0	16
23	Characterization of Heavy Metal Air Pollution in Romania Using Moss Biomonitoring, Neutron Activation Analysis, and Atomic Absorption Spectrometry. Analytical Letters, 2017, 50, 2851-2858.	1.8	15
24	Modelling spatial patterns of correlations between concentrations of heavy metals in mosses and atmospheric deposition in 2010 across Europe. Environmental Sciences Europe, 2018, 30, 53.	5.5	15
25	Newly Developed Vanadium-Based Glasses and Their Potential for Nuclear Radiation Shielding Aims: A Monte Carlo Study on Gamma Ray Attenuation Parameters. Materials, 2021, 14, 3897.	2.9	15
26	Transmission Factor (TF) Behavior of Bi2O3â€“TeO2â€“Na2Oâ€“TiO2â€“ZnO Glass System: A Monte Carlo Simulation Study. Sustainability, 2022, 14, 2893.	3.2	15
27	A Closer Look on Nuclear Radiation Shielding Properties of Eu3+ Doped Heavy Metal Oxide Glasses: Impact of Al2O3/PbO Substitution. Materials, 2021, 14, 5334.	2.9	12
28	Statistical analysis on the radiological assessment and geochemical studies of granite rocks in the north of Um Taghir area, Eastern Desert, Egypt. Open Chemistry, 2022, 20, 254-266.	1.9	12
29	Nuclear shielding performances of borate/sodium/potassium glasses doped with Sm3+ ions. Journal of Materials Research and Technology, 2022, 18, 1424-1435.	5.8	12
30	Emerging and Persistent Pollutants in the Aquatic Ecosystems of the Lower Danube Basin and North West Black Sea Regionâ€”A Review. Applied Sciences (Switzerland), 2021, 11, 9721.	2.5	11
31	Transmission factors, mechanical, and gamma ray attenuation properties of barium-phosphate-tungsten glasses: Incorporation impact of WO3. Optik, 2022, 267, 169643.	2.9	11
32	Determination of gold in Romanian auriferous alluvial sands and rocks by 14 MeV neutron activation analysis. Nuclear Instruments & Methods in Physics Research B, 2004, 217, 123-135.	1.4	9
33	Evaluation of Greenhouse Gas Emissions from Reservoirs: A Review. Sustainability, 2021, 13, 11621.	3.2	9
34	Fast Neutron and Gamma-Ray Attenuation Properties of Some HMO Tellurite-Tungstate-Antimonate Glasses: Impact of Sm3+ Ions. Applied Sciences (Switzerland), 2021, 11, 10168.	2.5	9
35	Hazards of Radioactive Mineralization Associated with Pegmatites Used as Decorative and Building Material. Materials, 2022, 15, 1224.	2.9	9
36	Diagnostic and therapeutic radioisotopes in nuclear medicine: Determination of gamma-ray transmission factors and safety competencies of high-dense and transparent glassy shields. Open Chemistry, 2022, 20, 517-524.	1.9	9

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37	Structural characterization and gamma-ray attenuation properties of rice-like Î±-TeO2 crystalline microstructures (CMS) grown rapidly on free surface of tellurite-based glasses. Journal of Materials Research and Technology, 2022, 16, 1179-1189.	5.8	8
38	Multielemental analysis of metallurgical samples by thermal neutron activation. Journal of Radioanalytical and Nuclear Chemistry, 1996, 213, 369-376.	1.5	7
39	Rapid determination of gold in Romanian auriferous alluvial sands, concentrates and rocks by 14 MeV NAA. Journal of Radioanalytical and Nuclear Chemistry, 2004, 261, 179-188.	1.5	7
40	Impact of Eye and Breast Shielding on Organ Doses During Cervical Spine Radiography: Design and Validation of MIRD Computational Phantom. Frontiers in Public Health, 2021, 9, 751577.	2.7	7
41	Multiple Assessments on the Gamma-Ray Protection Properties of Niobium-Doped Borotellurite Glasses: A Wide Range Investigation Using Monte Carlo Simulations. Science and Technology of Nuclear Installations, 2022, 2022, 1-17.	0.8	7
42	Investigation of Er3+ Ions Reinforced Zinc-Phosphate Glasses for Ionizing Radiation Shielding Applications. Materials, 2021, 14, 6769.	2.9	6
43	Physical characterization and crystallization kinetics of amorphous BiSe chalcogenide glasses. Journal of Materials Research and Technology, 2022, 16, 1114-1121.	5.8	6
44	Effect of Various Proportions of Rice Husk Powder on Swelling Soil from New Cairo City, Egypt. Applied Sciences (Switzerland), 2022, 12, 1616.	2.5	6
45	Molecular Polar Surface Area, Total Solvent Accessible Surface Area (SASA), Heat of Formation, and Gamma-Ray Attenuation Properties of Some Flavonoids. Frontiers in Physics, 2022, 10, .	2.1	6
46	An In-Depth Examination of the Natural Radiation and Radioactive Dangers Associated with Regularly Used Medicinal Herbs. International Journal of Environmental Research and Public Health, 2022, 19, 8124.	2.6	6
47	Hydrothermal Alteration Mapping Using Landsat 8 and ASTER Data and Geochemical Characteristics of Precambrian Rocks in the Egyptian Shield: A Case Study from Abu Ghalaga, Southeastern Desert, Egypt. Remote Sensing, 2022, 14, 3456.	4.0	6
48	Chemometric expertise of the quality of groundwater sources for domestic use. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 1099-1107.	1.7	5
49	Physical and Hydro-Physical Characteristics of Soil in the Context of Climate Change. A Case Study in Danube River Basin, SE Romania. Sustainability, 2020, 12, 9174.	3.2	5
50	Control of the Health Risk of Radon Exposure in the Republic of Moldova. Atmosphere, 2021, 12, 1302.	2.3	5
51	Influence of combining Al2O3, La2O3, Gd2O3, and Dy2O3 with barium borosilicate glass-ceramics: a case study of gamma radiation interaction parameters. Journal of Materials Research and Technology, 2022, 19, 1972-1981.	5.8	5
52	Calculation of NaI(Tl) detector efficiency using ²²⁶Ra, ²³²Th, and ⁴⁰K radioisotopes: Three-phase Monte Carlo simulation study. Open Chemistry, 2022, 20, 541-549.	1.9	5
53	Coincidence method for the analysis of minor elements in steel by deuteron-induced prompt Î³-ray spectrometry (d-PIGE). Nuclear Instruments & Methods in Physics Research B, 2001, 179, 126-132.	1.4	4
54	Soil pollution with trace elements at selected sites in Romania studied by instrumental neutron activation analysis. Radiochimica Acta, 2013, 101, 45-50.	1.2	4

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55	NATURAL RADIOACTIVITY IN DRINKING WATER FROM GALATI AND VRANCEA AREAS, ROMANIA. RAD Association Journal, 0, , .	0.0	4
56	Trivalent Ions and Their Impacts on Effective Conductivity at 300 K and Radio-Protective Behaviors of Bismo-Borate Glasses: A Comparative Investigation for Al, Y, Nd, Sm, Eu. Materials, 2021, 14, 5894.	2.9	4
57	Integrated Assessment of Surface Water Quality in Danube River Chilia Branch. Applied Sciences (Switzerland), 2021, 11, 9172.	2.5	4
58	Analysis of the Radiological, Mineralogical and Long-Term Sustainability of Several Commercial Aswan Granites Used as Building Materials. Sustainability, 2022, 14, 3553.	3.2	4
59	Green Corrosion Inhibition on Carbon-Fibre-Reinforced Aluminium Laminate in NaCl Using Aerva Lanata Flower Extract. Polymers, 2022, 14, 1700.	4.5	4
60	Mechanical properties as well as gamma-ray attenuation competence: a wide-ranging examination into Tb3+ doped boro-germanate-aluminiophosphate (BGAP) glasses. Journal of Materials Research and Technology, 2022, 18, 5062-5074.	5.8	4
61	Study of transfer of minor elements during ironmaking by neutron activation analysis. Radiochimica Acta, 2010, 98, .	1.2	3
62	Gross alpha, gross beta and radionuclides (210Po, 210Pb, 238U, 232Th, 226Ra and 40K) exposure assessment due to meat consumption. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 991-1000.	1.5	3
63	Development of analysis methodology using Proton Induced X-ray Emission (PIXE) as a complementary technique to determine trace elements in environmental matrices. Annals of the â€Ðunarea De Josâ€• University of Galati Fascicle II Mathematics Physics Theoretical Mechanics, 2019, 42, 117-125.	0.1	3
64	The Influence of CoO/P2O5 Substitutions on the Structural, Mechanical, and Radiation Shielding of Boro-Phosphate Glasses. Materials, 2021, 14, 6632.	2.9	3
65	Binary contributions of Dy3+ ions on the mechanical and radiation resistance properties of oxyfluoroborotellurite Dyx-glasses. Journal of Materials Research and Technology, 2022, 18, 820-829.	5.8	3
66	Coincidence method for the determination of minor elements in steel by proton-induced prompt gamma-ray spectrometry (PIGE). Nuclear Instruments & Methods in Physics Research B, 1996, 111, 321-324.	1.4	2
67	Improvement of sensitivity in PIGE analysis of steels by neutronâ€"gamma coincidences measurement. Nuclear Instruments & Methods in Physics Research B, 2004, 222, 228-234.	1.4	2
68	Changes of nitrides characteristics in Liâ€"N system synthesized at different pressures. Journal of Alloys and Compounds, 2013, 581, 23-27.	5.5	2
69	Biosorption of heavy metals from the metallurgical industry wastewater by macroalgae. AIP Conference Proceedings, 2020, , .	0.4	2
70	Valorification of Ulva rigida Algae in Pulp and Paper Industry for Improved Paper Characteristics and Wastewater Heavy Metal Filtration. Sustainability, 2021, 13, 10763.	3.2	2
71	Pharmaceutical compounds and endocrine disruptors in aquatic environments: ecotoxicological effects and analysis methodology. Annals of the â€Ðunarea De Josâ€•University of Galati Fascicle II Mathematics Physics Theoretical Mechanics, 2019, 42, 172-182.	0.1	2
72	Sediments quality assessment in terms of single and integrated indices from Romanian MONITOX network (2019 â€" 2020). Annals of the â€Ðunarea De Josâ€•University of Galati Fascicle II Mathematics Physics Theoretical Mechanics, 2020, 43, 175-183.	0.1	2

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73	The Prut River under Climate Change and Hydropower Impact. Sustainability, 2021, 13, 66.	3.2	2
74	Investigation of Petroleum Hydrocarbon Fingerprints of Water and Sediment Samples of the Nestos River Estuary in Northern Greece. Applied Sciences (Switzerland), 2022, 12, 1636.	2.5	2
75	Multi-elemental Analysis Of Steel By Combined Nuclear Techniques. AIP Conference Proceedings, 2007, , .	0.4	1
76	Analytical Applications Of Particle-Induced X-Ray Emission (PIXE). AIP Conference Proceedings, 2007, , .	0.4	1
77	Mineralogical Composition Assessment of Soils from Covurlui and Braila Plains by ATR-FTIR Technique. Proceedings (mdpi), 2019, 29, .	0.2	1
78	Evaluation of Potable Groundwater Quality Using Environmetrics. The case of Nestos and Strymon River Regions, Northern Greece. Journal of Engineering Science and Technology Review, 2021, 14, 114-118.	0.4	1
79	Contamination level of Triticum vulgare L. cultivated on soils around a metallurgical area in Galati, Romania. Annals of the â€Đunarea De Josâ€•University of Galati Fascicle II Mathematics Physics Theoretical Mechanics, 2019, 42, 1-9.	0.1	1
80	ASSESSMENT OF BIOACCUMULATION OF HEAVY METALS IN SUNFLOWER CULTIVATED IN THE AGRICULTURAL AREA NEXT TO STEEL INDUSTRY. , 2019, , .		1
81	MONITOX international network for monitoring of environmental toxicants and risk assessment in the Black Sea basin: research and interdisciplinary cooperation dimensions. , 0, , .		1
82	Environmental toxicants evaluation in a modern monitoring system - Romanian monitox network area. , 0, , .		1
83	Ecological Conditions of the Lower Dniester and Some Indicators for Assessment of the Hydropower Impact. Applied Sciences (Switzerland), 2021, 11, 9900.	2.5	1
84	"Optimization of X-ray fluorescence technique for the analysis of heavy metals contained in wastes from the electrical and electronic equipment industry ". Annals of the â€Đunarea De Josâ€•University of Galati Fascicle II Mathematics Physics Theoretical Mechanics, 2018, 41, 111-117.	0.1	1
85	Valorification directions for marine algae. Annals of the â€Đunarea De Josâ€•University of Galati Fascicle II Mathematics Physics Theoretical Mechanics, 2019, 42, 10-18.	0.1	1
86	Study of microbiological contamination level of surface water in MONITOX network areas before and after COVID-19 pandemic. Annals of the â€Đunarea De Josâ€•University of Galati Fascicle II Mathematics Physics Theoretical Mechanics, 2020, 43, 75-75.	0.1	1
87	ATR-FTIR qualitative mineralogical analysis of playground soils from Galati city, SE Romania. Annals of the â€Đunarea De Josâ€•University of Galati Fascicle II Mathematics Physics Theoretical Mechanics, 2020, 43, 141-146.	0.1	1
88	Chlorophyll a and total nutrients distribution from surface waters in Romanian MONITOX network in 2019 and 2020. Annals of the â€Đunarea De Josâ€•University of Galati Fascicle II Mathematics Physics Theoretical Mechanics, 2020, 43, 184-189.	0.1	1
89	Study of the biosorption efficiency of seaweed species collected from the Black Sea for heavy metals removal in industrial wastewaters. Annals of the â€Đunarea De Josâ€•University of Galati Fascicle II Mathematics Physics Theoretical Mechanics, 2021, 44, 1-10.	0.1	1
90	A Comprehensive Evaluation of the Attenuation Characteristics of Some Sliding Bearing Alloys under 0.015â€“15 MeV Gamma-Ray Exposure. Materials, 2022, 15, 2464.	2.9	1

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91	Corrigendum to â€œStatistical analysis on the radiological assessment and geochemical studies of granite rocks in the north of Um Taghir area, Eastern Desert, Egyptâ€• Open Chemistry, 2022, 20, 330-330.	1.9	1
92	Application of vermifiltration for sustainable management of septage. , 0, , .		0
93	Concentration of organochlorine pesticides in water and bottom sediments of the Dniester River ecosystem. , 0, , .		0
94	Assessing the impact of hydropower constructions on functioning of Dniester and Prut rivers ecosystems within the Hydroeconex project. , 0, , .		0
95	MAGNETIC FIELD GRADIENTS AND THEIR EFFECTS ON THE DIFFUSION TENSOR DERIVATE MEASURES. , 0, , .		0
96	"Agricultural potential of chernozems near the iron and steel integrated works of Galati in the perimeter of the territorial administrative unit of Sendreni, Galati county ". Annals of the â€Dunarea De Josâ€•University of Galati Fascicle II Mathematics Physics Theoretical Mechanics, 2018, 41, 5-9.	0.1	0
97	Surface and elemental analysis of 20th century Romanian coins using SEM-EDX technique. Annals of the â€Dunarea De Josâ€•University of Galati Fascicle II Mathematics Physics Theoretical Mechanics, 2019, 42, 153-159.	0.1	0
98	Nivelul de acumulare al unor microelemente Ã®n peÈ™tii Cyprinidae, Percidae È™i Esocidae din fl. Nistru. , 0, , .		0
99	Nutrient Stocks Study in Agroecosystems Located near the Steel Industry, Galati, Romania. Annals of the â€Dunarea De Josâ€•University of Galati Fascicle II Mathematics Physics Theoretical Mechanics, 2020, 43, 82-93.	0.1	0
100	XRF ANALYSIS OF ARSENIC AND SELECTED METALS IN CONTAMINATED SAND FROM THE DISMANTLING OF INDUSTRIAL DISTILLATION PLANTS. Journal of Science and Arts, 2020, 20, 1011-1018.	0.3	0
101	A study on drinking water quality in SE Romania. Annals of the â€Dunarea De Josâ€•University of Galati Fascicle II Mathematics Physics Theoretical Mechanics, 2020, 43, 108-114.	0.1	0
102	ASSESSING THE IMPACT OF HYDROPOWER CONSTRUCTIONS AND CLIMATE CHANGES ON FUNCTIONING OF DNIESTER RIVER ECOSYSTEM WITHIN THE HYDROECONEX PROJECT. , 2021, , .		0
103	Management of nuclear materials containing natural uranium and thorium salts. Annals of the â€Dunarea De Josâ€•University of Galati Fascicle II Mathematics Physics Theoretical Mechanics, 2021, 44, 11-19.	0.1	0