

# Igor Cretescu

## List of Publications by Citations

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89  
papers

1,605  
citations

21  
h-index

38  
g-index

101  
ext. papers

1,831  
ext. citations

3  
avg, IF

4.69  
L-index

#	Paper	IF	Citations
89	Characterization and remediation of soils contaminated with uranium. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 163, 475-510	12.8	368
88	An experimental study of indigo carmine removal from aqueous solution by electrocoagulation. <i>Desalination</i> , <b>2011</b> , 277, 227-235	10.3	94
87	Modeling and optimization of tartaric acid reactive extraction from aqueous solutions: A comparison between response surface methodology and artificial neural network. <i>Separation and Purification Technology</i> , <b>2010</b> , 75, 273-285	8.3	90
86	Preparation, characterization and applicability of cellulose acetate/polyurethane blend membrane in separation techniques. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2010</b> , 370, 120-128	5.1	73
85	Peat-based sorbents for the removal of oil spills from water surface: Application of artificial neural network modeling. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2011</b> , 384, 675-684	5.1	71
84	Response surface optimization of the photocatalytic decolorization of a simulated dyestuff effluent. <i>Chemical Engineering Journal</i> , <b>2008</b> , 141, 18-26	14.7	60
83	Biosorption of copper(II) ions from aqua solutions using dried yeast biomass. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2009</b> , 335, 181-188	5.1	58
82	Design of experiments for statistical modeling and multi-response optimization of nickel electroplating process. <i>Chemical Engineering Research and Design</i> , <b>2011</b> , 89, 136-147	5.5	52
81	Ionic liquids supported on magnetic nanoparticles as a sorbent preconcentration material for sulfonylurea herbicides prior to their determination by capillary liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 404, 1529-38	4.4	48
80	Fractional Factorial Design Study on the Performance of GAC-Enhanced Electrocoagulation Process Involved in Color Removal from Dye Solutions. <i>Materials</i> , <b>2013</b> , 6, 2723-2746	3.5	38
79	Phytoextraction of Cd and Zn as single or mixed pollutants from soil by rape ( <i>Brassica napus</i> ). <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 10693-10701	5.1	37
78	A solid-contact ion selective electrode for copper(II) using a succinimide derivative as ionophore. <i>Sensors</i> , <b>2013</b> , 13, 4367-77	3.8	32
77	Nanosized Spinel Ferrites Synthesized by Sol-Gel Autocombustion for Optimized Removal of Azo Dye from Aqueous Solution. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-13	3.2	30
76	Synthesis and characterisation of a binder cement replacement based on alkali activation of fly ash waste. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 119, 23-35	5.5	29
75	Sono-electrocoagulation of wastewater polluted with Rhodamine 6G. <i>Separation and Purification Technology</i> , <b>2014</b> , 135, 110-116	8.3	28
74	Performances of clay aerogel polymer composites for oil spill sorption: Experimental design and modeling. <i>Separation and Purification Technology</i> , <b>2014</b> , 133, 260-275	8.3	27
73	Response surface methodology applied for Orange II photocatalytic degradation in TiO <sub>2</sub> aqueous suspensions. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2008</b> , 83, 1454-1465	3.5	26

72	Photocatalytic Treatment of Rhodamine 6G in Wastewater Using Photoactive ZnO. <i>International Journal of Photoenergy</i> , <b>2012</b> , 2012, 1-8	2.1	24
71	Uranium removal from aqueous solutions by raw and modified thermal power plant ash. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2014</b> , 299, 381-386	1.5	23
70	Removal of heavy metal ions from aqueous solutions using low-cost sorbents obtained from ash. <i>Chemical Papers</i> , <b>2013</b> , 67,	1.9	22
69	Bioelectro-Claus processes using MFC technology: Influence of co-substrate. <i>Bioresource Technology</i> , <b>2015</b> , 189, 94-98	11	21
68	A low-cost sorbent for removal of copper ions from wastewaters based on sawdust/fly ash mixture. <i>International Journal of Environmental Science and Technology</i> , <b>2015</b> , 12, 1799-1810	3.3	20
67	A COMPARATIVE STUDY OF ELECTROCOAGULATION AND CHEMICAL COAGULATION PROCESSES APPLIED FOR WASTEWATER TREATMENT. <i>Environmental Engineering and Management Journal</i> , <b>2012</b> , 11, 1517-1525	0.6	19
66	Behaviour of the poly(maleic anhydride-co-vinyl acetate) copolymer in aqueous solutions. <i>European Polymer Journal</i> , <b>2001</b> , 37, 729-735	5.2	18
65	Functionalized carbon nanotubes for hydrocarbon removal from water. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103570	6.8	18
64	Electrochemical coagulation of treated wastewaters for reuse. <i>Desalination and Water Treatment</i> , <b>2013</b> , 51, 3381-3388		17
63	Removal of 2,4-D herbicide in soils using a combined process based on washing and adsorption electrochemically assisted. <i>Separation and Purification Technology</i> , <b>2018</b> , 194, 19-25	8.3	17
62	Low-cost sorbents for the removal of acid dyes from aqueous solutions. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 108, 57-66	5.5	15
61	Experimental design for modelling and multi-response optimization of FeNi electroplating process. <i>Chemical Engineering Research and Design</i> , <b>2015</b> , 96, 138-149	5.5	15
60	A Technical Approach to the Evaluation of Radiofrequency Radiation Emissions from Mobile Telephony Base Stations. <i>International Journal of Environmental Research and Public Health</i> , <b>2017</b> , 14,	4.6	15
59	ELECTROCOAGULATION TREATMENT OF SULFIDE WASTEWATER IN A BATCH REACTOR: EFFECT OF ELECTRODE MATERIAL ON ELECTRICAL OPERATING COSTS. <i>Environmental Engineering and Management Journal</i> , <b>2012</b> , 11, 1485-1491	0.6	14
58	Mesoporous cerium-doped titania for the photocatalytic removal of persistent dyes. <i>Catalysis Today</i> , <b>2018</b> , 306, 300-309	5.3	13
57	Removal of Rhodamine 6G from Aqueous Effluents by Electrocoagulation in a Batch Reactor: Assessment of Operational Parameters and Process Mechanism. <i>Water, Air, and Soil Pollution</i> , <b>2014</b> , 225, 1	2.6	11
56	EFFECT OF VANADIUM REPLACEMENT BY ZIRCONIUM ON THE ELECTROCHEMICAL BEHAVIOR OF Ti6Al4V ALLOY IN RINGER'S SOLUTION. <i>Environmental Engineering and Management Journal</i> , <b>2008</b> , 7, 701-706	0.6	10
55	Multi-Objective Optimization of Indigo Carmine Removal by an Electrocoagulation/GAC Coupling Process in a Batch Reactor. <i>Separation Science and Technology</i> , <b>2014</b> , 49, 924-938	2.5	7

54	A novel pulsed xenon flashlamp photoreactor and its potential applications in flow analysis with chemiluminescence detection. <i>Analytical Methods</i> , <b>2013</b> , 5, 3650	3.2	7
53	Graphical Methodology of Global Pollution Index for the Environmental Impact Assessment Using Two Environmental Components. <i>Sustainability</i> , <b>2017</b> , 9, 593	3.6	7
52	Treatment of Pesticides in Wastewater by Heterogeneous and Homogeneous Photocatalysis. <i>International Journal of Photoenergy</i> , <b>2012</b> , 2012, 1-6	2.1	7
51	PREPARATION AND CHARACTERIZATION OF NANOCOMPOSITE MATERIAL BASED ON TiO <sub>2</sub> -Ag FOR ENVIRONMENTAL APPLICATIONS. <i>Environmental Engineering and Management Journal</i> , <b>2018</b> , 17, 925-936	0.6	7
50	Environmental assesment of surface waters based on monitoring data and neuro-evolutive modelling. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 120, 136-145	5.5	6
49	Zeolites in technologies of pollution prevention and remediation of aquatic systems. <i>Vestnik of Institute of Geology of Komi Science Center of Ural Branch RAS</i> , <b>2017</b> , 5, 49-53	0.9	6
48	OPTIMIZATION PROCESS OF CADMIUM AND ZINC REMOVAL FROM SOIL BY PHYTOREMEDIATION USING Brassica napus AND Triticales sp.. <i>Environmental Engineering and Management Journal</i> , <b>2012</b> , 11, 271-278	0.6	6
47	ASSESSING THE HUMAN EXPOSURE DUE TO WIRELESS LOCAL AREA NETWORKS IN OFFICE ENVIRONMENTS. <i>Environmental Engineering and Management Journal</i> , <b>2012</b> , 11, 385-391	0.6	6
46	Preparation and characterization of MnO <sub>2</sub> -based nanoparticles at different annealing temperatures and their application in dye removal from water. <i>International Journal of Environmental Science and Technology</i> , <b>2021</b> , 18, 1499-1512	3.3	6
45	Modified Jordanian zeolitic tuff in hydrocarbon removal from surface water. <i>Journal of Environmental Management</i> , <b>2019</b> , 239, 333-341	7.9	5
44	IN VITRO CORROSION STUDY BY ELECTROCHEMICAL AND SURFACE ANALYSIS TECHNIQUES OF A Ti50TA ALLOY FOR DENTAL APPLICATIONS. <i>Environmental Engineering and Management Journal</i> , <b>2010</b> , 9, 81-87	0.6	5
43	INFLUENCE OF SOME PARAMETERS ON NITRATE REMOVAL FROM WATER BY PUROLITE A-520E RESIN. <i>Environmental Engineering and Management Journal</i> , <b>2011</b> , 10, 1553-1559	0.6	5
42	EQUILIBRIUM AND KINETICS STUDY OF NITRATE REMOVAL FROM WATER BY PUROLITE A520-E RESIN. <i>Environmental Engineering and Management Journal</i> , <b>2012</b> , 11, 37-45	0.6	5
41	Cesium and barium removal from aqueous solutions in the presence of humic acid and competing cations by a Greek bentonite from Kimolos Island. <i>Applied Radiation and Isotopes</i> , <b>2021</b> , 170, 109600	1.7	5
40	Environmental assessment of physical-chemical features of Lake Nasser, Egypt. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 20136-20148	5.1	4
39	BIOSORPTION OF MALACHITE GREEN FROM AQUEOUS SOLUTIONS ONTO BIOMATERIALS. <i>Environmental Engineering and Management Journal</i> , <b>2010</b> , 9, 67-71	0.6	4
38	Study of Sludge Particles Formed during Coagulation of Synthetic and Municipal Wastewater for Increasing the Sludge Dewatering Efficiency. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 101	3	3
37	Green Chemistry in the Extraction of Natural Dyes from Colored Food Waste, for Dyeing Protein Textile Materials. <i>Polymers</i> , <b>2021</b> , 13,	4.5	3

36	CHELATING SORBENT CONTAINING TWO TYPES OF FUNCTIONAL GROUPS - HYDROXAMIC ACID AND AMIDOXIME FOR LEAD (II) IONS EFFLUENT MANAGEMENT. <i>Environmental Engineering and Management Journal</i> , <b>2010</b> , 9, 113-118	0.6	3
35	MONITORING OF MERCURY FROM AIR AND URBAN DUST IN THE INDUSTRIAL AREA OF IASI MUNICIPALITY. <i>Environmental Engineering and Management Journal</i> , <b>2014</b> , 13, 2051-2061	0.6	3
34	ENHANCING THE FENTON PROCESS BY UV LIGHT APPLIED IN TEXTILE WASTEWATER TREATMENT. <i>Environmental Engineering and Management Journal</i> , <b>2015</b> , 14, 595-600	0.6	3
33	NEW MESOPOROUS TITANIUM OXIDE-BASED PHOTOACTIVE MATERIALS FOR THE REMOVAL OF DYES FROM WASTEWATERS. <i>Environmental Engineering and Management Journal</i> , <b>2017</b> , 16, 801-807	0.6	3
32	Novel Hybrid Nanoparticles: Synthesis, Functionalization, Characterization, and Their Application in the Uptake of Scandium (III) Ions from Aqueous Media. <i>Materials</i> , <b>2020</b> , 13,	3.5	3
31	Case Studies for Clean Technology Development in the Chemical Industry Using Zeolite Based Catalysts. <i>Minerals (Basel, Switzerland)</i> , <b>2018</b> , 8, 462	2.4	3
30	Monitoring of Surface Water Status in the Lower Danube Basin <b>2016</b> ,		2
29	Antibacterial Efficiency of Stainless-Steel Grids Coated with Cu-Ag by Thermionic Vacuum Arc Method. <i>Coatings</i> , <b>2020</b> , 10, 322	2.9	2
28	Photocatalytic treatment of colored wastewater from medical laboratories: photodegradation of Nuclear Fast Red. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 18897-18905		2
27	Using Fly Ash Wastes for the Development of New Building Materials with Improved Compressive Strength.. <i>Materials</i> , <b>2022</b> , 15,	3.5	2
26	A CASE STUDY OF INDUSTRIAL WATER POLLUTED WITH CHROMIUM (VI) AND ITS IMPACT TO RIVER RECIPIENT IN WESTERN SERBIA. <i>Environmental Engineering and Management Journal</i> , <b>2010</b> , 9, 45-49	0.6	2
25	REMOVAL OF DUNKEL BLAU DYE FROM AQUEOUS SOLUTIONS BY FUNGAL AND PEAT BIOMASS IN BATCH MODE. <i>Environmental Engineering and Management Journal</i> , <b>2010</b> , 9, 107-112	0.6	2
24	ELECTROCHEMICAL SENSORS FOR HEAVY METAL IONS DETECTION FROM AQUEOUS SOLUTIONS. <i>Environmental Engineering and Management Journal</i> , <b>2012</b> , 11, 463-470	0.6	2
23	DEVELOPMENT OF AN EXPERT SYSTEM FOR SURFACE WATER QUALITY MONITORING IN THE CONTEXT OF SUSTAINABLE MANAGEMENT OF WATER RESOURCES. <i>Environmental Engineering and Management Journal</i> , <b>2013</b> , 12, 1721-1734	0.6	2
22	STUDY OF DIFFERENT LIQUID MEDIA INFLUENCE ON <i>Arthrospira platensis</i> MICROALGAE CULTIVATION FOR ENVIRONMENTAL APPLICATIONS. <i>Environmental Engineering and Management Journal</i> , <b>2020</b> , 19, 353-358	0.6	2
21	Investigation of a biosystem based on <i>Arthrospira platensis</i> for air revitalisation in spacecrafts: Performance evaluation through response surface methodology. <i>Chemosphere</i> , <b>2021</b> , 264, 128465	8.4	2
20	Scandium Recovery Methods from Mining, Metallurgical Extractive Industries, and Industrial Wastes.. <i>Materials</i> , <b>2022</b> , 15,	3.5	2
19	New Approaches in Modeling and Simulation of CO2 Absorption Reactor by Activated Potassium Carbonate Solution. <i>Processes</i> , <b>2019</b> , 7, 78	2.9	1

18	Potential Application of Macrocyclic Compounds for Selective Recovery of Rare Earth Scandium Elements from Aqueous Media. <i>Journal of Sustainable Metallurgy</i> ,1	2.7	1
17	THE TREATMENT AND MINIMIZATION OF METALLURGICAL SLAG AS WASTE. <i>Environmental Engineering and Management Journal</i> , <b>2010</b> , 9, 101-106	0.6	1
16	ENHANCEMENT OF SEPARATION PERFORMANCES OF A NEW AZOIC DERIVATIVE FROM INDUSTRIAL WATER AND THE POSIBILITY TO RECOVER ITS COMPLEX AS NANOMATERIAL. <i>Environmental Engineering and Management Journal</i> , <b>2010</b> , 9, 147-151	0.6	1
15	RESPONSE SURFACE METHODOLOGY FOR OPTIMIZATION OF LANDFILL LEACHATE TREATMENT USING ION EXCHANGE RESINS. <i>Environmental Engineering and Management Journal</i> , <b>2011</b> , 10, 357-366	0.6	1
14	Application of Low-Cost Sorbent for Oil Spill Sorption Using Response Surface Methodological Approach. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , <b>2009</b> , 109-118	0.3	1
13	V2O5 Nanoparticles for Dyes Removal from Water. <i>Chemistry Journal of Moldova</i> , <b>2021</b> , 16, 102-111	0.9	1
12	STUDIES ON DIESEL OIL SPILLS REMOVAL FROM WATER SURFACE USING PEAT. PROCESS MODELLING AND OPTIMIZATION. <i>Environmental Engineering and Management Journal</i> , <b>2004</b> , 3, 247-257	0.6	0
11	Valorization of Low-Cost Natural Materials in Depollution Processes of Wastewater. <i>Chemistry Journal of Moldova</i> , <b>2014</b> , 9, 53-58	0.9	0
10	USE OF MACROINVERTEBRATES FOR ASSESSMENT OF RESTORATION WORKS INFLUENCE ON THE HABITAT IN FLOODPLAIN LAKES. <i>Environmental Engineering and Management Journal</i> , <b>2017</b> , 16, 969-978	0.6	0
9	Differential Pulse Anodic Stripping Voltammetry for Mercury Determination. <i>Acta Chemica Iasi</i> , <b>2015</b> , 23, 13-24	1.2	
8	PACKED COLUMN SIMULATION FOR CO2 CHEMISORPTION IN ACTIVATED SOLUTIONS. <i>Environmental Engineering and Management Journal</i> , <b>2020</b> , 19, 325-333	0.6	
7	STUDY OF PLATINUM ELECTRODES APPLIED IN THE TREATMENT OF PHENOLIC WASTEWATER. <i>Environmental Engineering and Management Journal</i> , <b>2002</b> , 1, 551-556	0.6	
6	EVALUATION OF NATURAL ION EXCHANGERS FOR THE REMOVAL OF RADIOACTIVE ISOTOPES FROM LIQUID EFFLUENTS. <i>Environmental Engineering and Management Journal</i> , <b>2002</b> , 1, 577-588	0.6	
5	POSSIBILITIES OF ALUMINUM REMOVAL FROM AQUEOUS SOLUTIONS USING ORIGINAL POLYURETHANE MEMBRANES. <i>Environmental Engineering and Management Journal</i> , <b>2004</b> , 3, 649-660	0.6	
4	A NEW APPROACH TO OBTAIN AEROGELS FOR GAS SAFETY APPLICATIONS. <i>Environmental Engineering and Management Journal</i> , <b>2019</b> , 18, 1721-1726	0.6	
3	MOBILE PHONES ELECTROMAGNETIC FIELD RADIATION RESEARCH AND ANALYSIS OF ITS DISPERSION BY APPLYING MATLAB7 SOFTWARE. <i>Environmental Engineering and Management Journal</i> , <b>2017</b> , 16, 1177-1184	0.6	
2	STUDIES ON THE BIOSORPTION OF TERASIL DYE BY ASPERGILLUS NIGER DEAD BIOMASS. <i>Environmental Engineering and Management Journal</i> , <b>2010</b> , 9, 335-339	0.6	
1	MONITORING OF WATER QUALITY INDICATORS FOR IMPROVING WATER RESOURCES MANAGEMENT OF BAHUI RIVER. <i>Environmental Engineering and Management Journal</i> , <b>2011</b> , 10, 327-332	0.6	

