Gheorghe Nechifor

List of Publications by Year
in descending order

92	1,000	430442	500791
papers	citations	18 h-index	28 g-index

94	94	94	1201
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Poly(methyl methacrylate) with TiO 2 nanoparticles inclusion for stereolitographic complete denture manufacturing â^' the fututre in dental care for elderly edentulous patients?. Journal of Dentistry, 2017, 59, 68-77.	1.7	129
2	Nanostructured hybrid membrane polysulfone-carbon nanotubes for hemodialysis. Desalination, 2009, 241, 342-348.	4.0	101
3	Production and characterization of cellulose acetate â€“ titanium dioxide nanotubes membrane fraxiparinized through polydopamine for clinical applications. Carbohydrate Polymers, 2018, 181, 215-223.	5.1	47
4	High Selective Mixed Membranes Based on Mesoporous MCM-41 and MCM-41-NH2 Particles in a Polysulfone Matrix. Frontiers in Chemistry, 2019, 7, 332.	1.8	40
5	Eighteen Months Follow-Up with Patient-Centered Outcomes Assessment of Complete Dentures Manufactured Using a Hybrid Nanocomposite and Additive CAD/CAM Protocol. Journal of Clinical Medicine, 2020, 9, 324.	1.0	40
6	Anisotropic etching of silicon in a complexant redox alkaline system. Sensors and Actuators B: Chemical, 1999, 58, 438-449.	4.0	37
7	Schiff base-functionalized mesoporous silicas (MCM-41, HMS) as Pb(<scp>ii</scp>) adsorbents. RSC Advances, 2018, 8, 176-189.	1.7	35
8	Control of Nanostructured Polysulfone Membrane Preparation by Phase Inversion Method. Nanomaterials, 2020, 10, 2349.	1.9	31
9	Removing of the Sulfur Compounds by Impregnated Polypropylene Fibers with Silver Nanoparticles-Cellulose Derivatives for Air Odor Correction. Membranes, 2021, 11, 256.	1.4	27
10	Coal Fly Ash Derived Silica Nanomaterial for MMMsâ€"Application in CO2/CH4 Separation. Membranes, 2021, 11, 78.	1.4	27
11	Modeling of the cadmium transport through a bulk liquid membrane. Separation and Purification Technology, 2013, 107, 135-143.	3.9	24
12	Kinetics and mechanism of chlorinated aniline degradation by TiO2 photocatalysis. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 298, 17-23.	2.0	24
13	Case studies on the physical-chemical parameters' variation during three different purification approaches destined to treat wastewaters from food industry. Journal of Environmental Management, 2017, 203, 811-816.	3.8	24
14	Accessible Silver-Iron Oxide Nanoparticles as a Nanomaterial for Supported Liquid Membranes. Nanomaterials, 2021, 11, 1204.	1.9	23
15	Non-Resorbable Nanocomposite Membranes for Guided Bone Regeneration Based On Polysulfone-Quartz Fiber Grafted with Nano-TiO2. Nanomaterials, 2019, 9, 985.	1.9	21
16	Leaching potential of metallic elements from contaminated soils under anoxia. Environmental Sciences: Processes and Impacts, 2014, 16, 211-219.	1.7	19
17	Aqueous Phase Biosorption of Pb(II), Cu(II), and Cd(II) onto Cabbage Leaves Powder. International Journal of Chemical Reactor Engineering, 2017, 15, .	0.6	19
18	Respiratory effect on the pulse spectrum. Journal of Medical Engineering and Technology, 2003, 27, 77-84.	0.8	18

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19	Development of Stabilized Magnetite Nanoparticles for Medical Applications. Journal of Nanomaterials, 2017, 2017, 1-9.	1.5	18
20	Effect of a modified photo-Fenton procedure on the oxidative degradation of antibiotics in aqueous solutions. Separation and Purification Technology, 2014, 122, 290-296.	3.9	17
21	Polyphenolic Extract from Sambucus ebulus L. Leaves Free and Loaded into Lipid Vesicles. Nanomaterials, 2020, 10, 56.	1.9	17
22	Separation of nitrophenols. Equilibriums in bi- and tri-phasic systems. Arabian Journal of Chemistry, 2011, 4, 99-103.	2.3	16
23	Improving the Performance of Composite Hollow Fiber Membranes with Magnetic Field Generated Convection Application on pH Correction. Membranes, 2021, 11, 445.	1.4	16
24	Stator Winding Leakage Inductances Determination using Finite Elements Method. , 2008, , .		14
25	Corrosion protection of new composite polymer coating for carbon steel in sulfuric acid medium by electrochemical methods. Journal of Adhesion Science and Technology, 2018, 32, 2364-2380.	1.4	13
26	Recuperative Amino Acids Separation through Cellulose Derivative Membranes with Microporous Polypropylene Fiber Matrix. Membranes, 2021, 11, 429.	1.4	13
27	Added value recyclability of glass fiber waste as photo-oxidation catalyst for toxic cytostatic micropollutants. Scientific Reports, 2020, 10, 136.	1.6	12
28	Iono-molecular Separation with Composite Membranes VI. Nitro-phenol separation through sulfonated polyether ether ketone on capillary polypropylene membranes. Revista De Chimie (discontinued), 2018, 69, 1603-1607.	0.2	11
29	Osmium Nanoparticles-Polypropylene Hollow Fiber Membranes Applied in Redox Processes. Nanomaterials, 2021, 11, 2526.	1.9	10
30	Facilitated transport of 5-aminosalicylic acid through bulk liquid membrane. Journal of the Iranian Chemical Society, 2013, 10, 1129-1136.	1.2	8
31	Separation of the collagen protein by ultrafiltration: Effects of concentration on the membrane's characteristics. Polymer Engineering and Science, 2020, 60, 2487-2495.	1.5	8
32	Transport and Separation of the Silver Ion with nâ€“decanol Liquid Membranes Based on 10â€“undecylenic Acid, 10â€“undecenâ€“1â€“ol and Magnetic Nanoparticles. Membranes, 2021, 11, 936.	1.4	8
33	Asymptotic distribution of the latent roots of the noncentral wishart distribution and the power of the likelihood ratio test for nonadditivity. Canadian Journal of Statistics, 1980, 8, 119-134.	0.6	7
34	Calixarene-Doped Polyaniline for Applications in Sensing. , 2006, , .		6
35	Polysulfoneâ€“polyanilineâ€type membranes obtained in a steadyâ€state system: Structural and hydrodynamic characteristics. Polymer Engineering and Science, 2014, 54, 1640-1647.	1.5	6
36	Reactional Processes on Osmiumâ€“Polymeric Membranes for 5â€“Nitrobenzimidazole Reduction. Membranes, 2021, 11, 633.	1.4	6

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37	Hybrid Magnetic Nanostructures For Cancer Diagnosis And Therapy. Anti-Cancer Agents in Medicinal Chemistry, 2019, 19, 6-16.	0.9	6
38	Iono-molecular Separation with Composite Membranes. VIII. Recuperative aluminium ions separation on capilary Polypropylene S-EPDM composite membranes. Materiale Plastice, 2019, 56, 32-36.	0.4	6
39	Use of Artificial Neural Network for Modeling and Prediction of Reactive Red Dye Removal from Wastewater Using Banana Peels Bio-sorbent. Revista De Chimie (discontinued), 2018, 69, 1919-1926.	0.2	6
40	Design and Evaluation of a Delivery System Based on Liposomes for Armoracia rusticana Extract. Revista De Chimie (discontinued), 2019, 70, 2347-2349.	0.2	6
41	Osmium Recovery as Membrane Nanomaterials through 10â€“Undecenoic Acid Reduction Method. Membranes, 2022, 12, 51.	1.4	6
42	Polysulfone- doped polyaniline composite membranes. synthesis and electrochemical characteristics. , 2008, , .		5
43	Comparative analysis of the processes of collagen concentration by ultrafiltration using different types of membranes. Journal of Applied Polymer Science, 2021, 138, 50055.	1.3	5
44	Evaluation of Electrical Characteristics for PMMA-TiO2 Nanocomposites Used in Dentistry. Revista De Chimie (discontinued), 2018, 69, 155-159.	0.2	5
45	Operational Limits of the Bulk Hybrid Liquid Membranes Based on Dispersion Systems. Membranes, 2022, 12, 190.	1.4	5
46	New Hybrid Nanofiltration Membranes with Enhanced Flux and Separation Performances Based on Polyphenylene Ether-Ether-Sulfone/Polyacrylonitrile/SBA-15. Membranes, 2022, 12, 689.	1.4	5
47	The influence of surfactants on the wetting of hydrophobic microporous surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1994, 90, 1-8.	2.3	3
48	Adsorption of Chromium (VI) from Water Solution onto Polymeric Membrane Systems. Revista De Chimie (discontinued), 2017, 68, 869-872.	0.2	3
49	Iono-molecular Separation with Composite Membranes V. Nitro-phenol separation on n-alkyl alcohols supported liquid membranes. Revista De Chimie (discontinued), 2018, 69, 1084-1088.	0.2	3
50	Release of Polyphenols from Liposomes Loaded with Echinacea purpurea. Revista De Chimie (discontinued), 2018, 69, 2315-2317.	0.2	3
51	Ultrafiltration Mixed Matrix Membranes Based on Mesoporous Silica (MCM-41, HMS)Embedded in Polysulfone. Revista De Chimie (discontinued), 2019, 70, 3089-3093.	0.2	3
52	CHARACTERISTICS OF DOUBLE JET IMOBILIZED MEMBRANE. Environmental Engineering and Management Journal, 2009, 8, 771-776.	0.2	3
53	Formulation of Polymeric Multicomponent Systems Containing Cardiovascular APIs. Materiale Plastice, 2018, 55, 121-123.	0.4	3
54	Bulk Liquid Membranes for Separation and Recovery of Pharmaceutical Products. Revista De Chimie (discontinued), 2018, 69, 3257-3260.	0.2	3

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55	Simultaneous Release of Silver Ions and 10â€“Undecenoic Acid from Silver Ironâ€“Oxide Nanoparticles Impregnated Membranes. Membranes, 2022, 12, 557.	1.4	3
56	Polysulfone-polypyrrole ionic conductive composite membranes synthesized by phase inversion with chemical reaction. , 2009, , .		2
57	Polymeric Membrane for Verteporfirin Purification. Materiale Plastice, 2017, 54, 14-17.	0.4	2
58	Removal and Effects of Surfactants in Activated Sludge System. Revista De Chimie (discontinued), 2020, 71, 100-106.	0.2	2
59	REMOVING TOXIC COMPOUNDS FROM WASTEWATER. Environmental Engineering and Management Journal, 2014, 13, 2153-2158.	0.2	2
60	SELECTIVE RECOVERY OF PHENOLIC DERIVATIVES THROUGH THE TECHNIQUE OF LIQUID MEMBRANES. Environmental Engineering and Management Journal, 2015, 14, 625-630.	0.2	2
61	Evaluation of AML-VAL Nanoparticles as Combined Therapy in Cardiovascular Disease. Materiale Plastice, 2018, 55, 299-302.	0.4	2
62	Determination of Ethanol in Fermented Broth by Headspace Gas Chromatography using Capillary Column. Revista De Chimie (discontinued), 2018, 69, 2969-2972.	0.2	2
63	Intracellular Uptake Study of Polymeric Nanoparticles Loaded with Cardiovascular Drugs Using Confocal Laser Scanning Microscopy. Chemistry Proceedings, 2021, 3, 140.	0.1	2
64	The mechanism of anisotropic etching of silicon in a complexant alkaline system. , 0, , .		1
65	Silicon hillocks elimination using a complexant redox alkaline system. , 1999, , .		1
66	Ionic conductive silica-polypyrrole composites obtained by in-situ polymerization. , 2010, , .		1
67	Covalent enzyme immobilization onto carbon nanotubes using a membrane reactor. Proceedings of SPIE, 2011, , .	0.8	1
68	Antioxidant Properties and Cytoprotective Effect Against H2O2-Induced Cytotoxicity in Mouse Fibroblasts Cells (L-929) of Horseradish Leaves. Proceedings (mdpi), 2019, 29, 30.	0.2	1
69	Neutralization with Simultaneous Separation of Metallic Ions from Condensed Water Through Capillary Polypropylene and Cellulose Derivatives. Proceedings (mdpi), 2020, 57, .	0.2	1
70	In Vitro Cytotoxicity of Polymeric Nanoparticles Coated with Lipid Layer Loaded with Cardiovascular Drugs. Proceedings (mdpi), 2020, 57, .	0.2	1
71	Iono-molecular Separation with Composite Membranes III. Nitrophenols separation on polysulphone and composite nanoparticles ultrafiltration. Revista De Chimie (discontinued), 2017, 68, 427-434.	0.2	1
72	Kinetics of Cyclophosphamide and Ifosfamide Degradation from Aqueous System via TiO2 Assisted Photocatalysis. Revista De Chimie (discontinued), 2017, 68, 1690-1694.	0.2	1

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73	Utilization of Waste of Enzymes Biomass as Biosorbent for the Removal of Dyes from Aqueous Solution in Batch and Fluidized Bed Column. Revista De Chimie (discontinued), 2020, 71, 1-12.	0.2	1
74	Dynamic Membranes for Catalytic Reaction. Key Engineering Materials, 1992, 61-62, 443-448.	0.4	0
75	The multichannel microprobe for recording/stimulation of neural/muscular activity, CMOS technology compatible. , 0, , .		0
76	Covalently immobilized crown ethers onto polysulfone membranes as materials for sensors. , 2010, , .		0
77	Photo-catalytic oxidation of 4-chlorophenol using TiO<inf>2</inf>-functionalized membranes. , 2011, , .		0
78	Photocatalytic membrane system: Obtaining procedure and environmental application. , 2012, , .		0
79	Transport and separation through bulk liquid membrane of some biologic active compounds. Analele Universitatii Ovidius Constanta - Seria Chimie, 2012, 23, 53-57.	0.1	0
80	The Functionalization of Remaining Solvent in Polymeric Membrane Pores for Biomedical Applications. Key Engineering Materials, 0, 583, 87-90.	0.4	0
81	MEMBRANE SUPPORT OF POLYETHERETHERKETONE. Environmental Engineering and Management Journal, 2009, 8, 777-784.	0.2	0
82	Antioxidant activity of Geranium robertianum concentrated extracts by ultrafiltration process. Planta Medica, 2009, 75, .	0.7	0
83	DETERMINATION OF AEROSOLS POLLUTANTS ON MEMBRANES. 1. MEMBRANES PREPARATION AND CHARACTERIZATION. Environmental Engineering and Management Journal, 2010, 9, 1097-1103.	0.2	0
84	DEGRADATION OF TRICLOSAN FROM AQUEOUS SYSTEMS USING A PHOTOCATALYTIC MEMBRANE REACTOR. , 2011, , .		0
85	CRITICAL ASPECTS IN GAS CHROMATOGRAPHY: LOW LEVEL DETECTION OF GAS IMPURITIES. , 2011, , .		0
86	MCM41/Fe3O4/EDTA Materials from Removal Different Cation from Waste Water. , 0, , .		0
87	Applicability of Ferromagnetic Nanoparticles in the Retention of Heavy Metals from Aqueous Solutions. Revista De Chimie (discontinued), 2017, 68, 1320-1324.	0.2	0
88	Polimeric membranes prepared with surfactants used for ultrafiltration of aqueous solutions of food dye. Studia Universitatis Babes-Bolyai Chemia, 2017, 62, 47-58.	0.1	0
89	The Influence of Synthesis Conditions on Hydroxyapatite Adsorption Characteristics in the Process of Zn(II) and Pb(II) Removal from Single and Binary Solutions. Revista De Chimie (discontinued), 2018, 69, 759-766.	0.2	0
90	Kinetic Studies of Zn(II) Removal from Single and Binary Solutions by Synthetic Hydroxyapatite - Based Nanopowders. Revista De Chimie (discontinued), 2018, 69, 1293-1297.	0.2	0

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91	Comparative Bio-sorption of Cadmium and Nickel Ions from Aqueous Solution onto Fibers of Date Palm using Fluidized Bed Column. Revista De Chimie (discontinued), 2019, 70, 1507-1512.	0.2	0
92	Nanomaterials for Membranes, Membrane Reactors, and Catalyst Systems. Nanomaterials, 2022, 12, 964.	1.9	0