Grzegorz Nalecz-Jawecki

List of Publications by Year
in descending order

80 papers	2,397 citations	218592 26 h-index	233338 45 g-index
83 all docs	83 docs citations	83 times ranked	3148 citing authors

#	Article	IF	Citations
1	A practical and user-friendly toxicity classification system with microbiotests for natural waters and wastewaters. Environmental Toxicology, 2003, 18, 395-402.	2.1	366
2	The application of bioassays as indicators of petroleum-contaminated soil remediation. Chemosphere, 2005, 59, 289-296.	4.2	146
3	Estimation of the environmental risk posed by landfills using chemical, microbiological and ecotoxicological testing of leachates. Chemosphere, 2011, 82, 1017-1023.	4.2	134
4	The toxicity of cationic surfactants in four bioassays. Ecotoxicology and Environmental Safety, 2003, 54, 87-91.	2.9	114
5	Occurrence of antidepressant residues in the sewage-impacted Vistula and Utrata rivers and in tap water in Warsaw (Poland). Ecotoxicology and Environmental Safety, 2014, 104, 103-109.	2.9	88
6	Application of a microbiotests battery for complete toxicity assessment of rivers. Ecotoxicology and Environmental Safety, 2008, 71, 830-836.	2.9	69
7	Nanocrystalline hydroxyapatite doped with selenium oxyanions: A new material for potential biomedical applications. Materials Science and Engineering C, 2014, 39, 134-142.	3.8	58
8	Industrialization as a source of heavy metals and antibiotics which can enhance the antibiotic resistance in wastewater, sewage sludge and river water. PLoS ONE, 2021, 16, e0252691.	1.1	52
9	Ecotoxicological and microbiological characterization of soils from heavy-metal- and hydrocarbon-contaminated sites. Environmental Monitoring and Assessment, 2010, 163, 477-488.	1.3	47
10	Application of ionizing radiation in decomposition of perfluorooctanoate (PFOA) in waters. Chemical Engineering Journal, 2019, 357, 698-714.	6.6	47
11	Evaluation of the in vitro biotransformation of fluoxetine with HPLC, mass spectrometry and ecotoxicological tests. Chemosphere, 2007, 70, 29-35.	4.2	45
12	Occurrence of antimicrobial agents, drug-resistant bacteria, and genes in the sewage-impacted Vistula River (Poland). Environmental Science and Pollution Research, 2018, 25, 5788-5807.	2.7	44
13	Toxicity of Selected Pharmaceuticals to the Anostracan Crustacean Thamnocephalus platyurus - Comparison of Sublethal and Lethal Effect Levels with the 1h Rapidtoxkit and the 24h Thamnotoxkit Microbiotests. Environmental Science and Pollution Research, 2006, 13, 22-27.	2.7	42
14	Application of ionizing radiation in decomposition of perfluorooctane sulfonate (PFOS) in aqueous solutions. Chemical Engineering Journal, 2020, 379, 122303.	6.6	37
15	Environmental Risk and Risk of Resistance Selection Due to Antimicrobialsâ€™ Occurrence in Two Polish Wastewater Treatment Plants and Receiving Surface Water. Molecules, 2020, 25, 1470.	1.7	37
16	Occurrence of immunosuppressive drugs and their metabolites in the sewage-impacted Vistula and Utrata Rivers and in tap water from the Warsaw region (Poland). Chemosphere, 2016, 148, 137-147.	4.2	36
17	Evaluation of toxicity of medical devices using Spirotox and Microtox tests: I. Toxicity of selected toxicants in various diluents. , 1997, 35, 101-105.		33
18	Radiolytic degradation of herbicide 4-chloro-2-methyl phenoxyacetic acid (MCPA) by Î³-radiation for environmental protection. Ecotoxicology and Environmental Safety, 2006, 65, 265-277.	2.9	33

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19	Segmented polyurethane elastomers derived from aliphatic polycarbonate and poly(esterâ€carbonate) soft segments for biomedical applications. Journal of Polymer Science Part A, 2012, 50, 3904-3913.	2.5	33
20	Antigenotoxic, anti-photogenotoxic and antioxidant activities of natural naphthoquinone shikonin and acetylshikonin and Arnebia euchroma callus extracts evaluated by the umu-test and EPR method. Toxicology in Vitro, 2015, 30, 364-372.	1.1	33
21	Analytical, toxicological and kinetic investigation of decomposition of the drug diclofenac in waters and wastes using gamma radiation. Environmental Science and Pollution Research, 2015, 22, 20255-20270.	2.7	33
22	Tests for the toxicity assessment of cyanobacterial bloom samples. Environmental Toxicology, 2001, 16, 383-390.	2.1	32
23	Monitoring of toxicity during degradation of selected pesticides using ionizing radiation. Chemosphere, 2004, 57, 135-145.	4.2	32
24	Acute exposure of zebrafish (Danio rerio) larvae to environmental concentrations of selected antidepressants: Bioaccumulation, physiological and histological changes. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2020, 229, 108670.	1.3	32
25	Toxicity of Inorganic Compounds in the Spirotox Test: A Miniaturized Version of the Spirostomum ambiguum Test. Archives of Environmental Contamination and Toxicology, 1998, 34, 1-5.	2.1	31
26	Radiolytic degradation and toxicity changes in Î³-irradiated solutions of 2,4-dichlorophenol. Radiation Physics and Chemistry, 2002, 65, 357-366.	1.4	30
27	Occurrence of cardiovascular drugs in the sewage-impacted Vistula River and in tap water in the Warsaw region (Poland). Environmental Science and Pollution Research, 2016, 23, 24337-24349.	2.7	28
28	Reduction of Petroleum Hydrocarbons and Toxicity in Refinery Wastewater by Bioremediation. Bulletin of Environmental Contamination and Toxicology, 2008, 81, 329-333.	1.3	27
29	An assessment of the genotoxic effects of landfill leachates using bacterial and plant tests. Ecotoxicology and Environmental Safety, 2012, 75, 55-62.	2.9	26
30	Determination of selected cardiovascular active compounds in environmental aquatic samples â€“ Methods and results, a review of global publications from the last 10 years. Chemosphere, 2015, 138, 642-656.	4.2	26
31	Phytotoxicity of Sulfamethazine Soil Pollutant to Six Legume Plant Species. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2010, 73, 1220-1229.	1.1	25
32	Radiolytic degradation of pesticide 4-chloro-2-methylphenoxyacetic acid (MCPA)â€”Experimental data and kinetic modelling. Radiation Physics and Chemistry, 2007, 76, 1806-1814.	1.4	24
33	Synthesis and study of controlled release of ofloxacin from polyester conjugates. International Journal of Pharmaceutics, 2010, 402, 37-43.	2.6	24
34	Spirotox?Spirostomum ambiguum acute toxicity test?10 years of experience. Environmental Toxicology, 2004, 19, 359-364.	2.1	23
35	The MicrotoxÂ® biological test: Application in toxicity evaluation of surface waters and sediments in Poland. Oceanological and Hydrobiological Studies, 2007, 36, 151-163.	0.3	23
36	Photodegradation and phototoxicity of thioridazine and chlorpromazine evaluated with chemical analysis and aquatic organisms. Ecotoxicology, 2008, 17, 13-20.	1.1	22

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37	Spirotox â€" A new tool for testing the toxicity of volatile compounds. Chemosphere, 1999, 38, 3211-3218.	4.2	21
38	Radiolytic Degradation of the Herbicide Dicamba for Environmental Protection. Archives of Environmental Contamination and Toxicology, 2005, 48, 311-322.	2.1	21
39	Influence of pH on the toxicity of nitrophenols to MicrotoxÂ® and Spirotox tests. Chemosphere, 2003, 52, 249-252.	4.2	20
40	Assessment of genotoxic activity of petroleum hydrocarbon-bioremediated soil. Ecotoxicology and Environmental Safety, 2005, 62, 415-420.	2.9	19
41	The assessment of environmental risk related to the occurrence of pharmaceuticals in bottom sediments of the Odra River estuary (SW Baltic Sea). Science of the Total Environment, 2022, 828, 154446.	3.9	19
42	Application of microbial assay for risk assessment biotest in evaluation of toxicity of human and veterinary antibiotics. Environmental Toxicology, 2010, 25, 487-494.	2.1	18
43	Evaluation of direct and indirect photodegradation of mianserin with high-performance liquid chromatography and short-term bioassays. Ecotoxicology and Environmental Safety, 2015, 115, 144-151.	2.9	18
44	ATRP of Methacrylic Derivative of Camptothecin Initiated with PLA toward Three-Arm Star Block Copolymer Conjugates with Favorable Drug Release. Macromolecules, 2017, 50, 6439-6450.	2.2	18
45	Evaluation of in vitro biotransformation of propranolol with HPLC, MS/MS, and two bioassays. Environmental Toxicology, 2008, 23, 52-58.	2.1	17
46	Influence of Selected Antidepressants on the Ciliated Protozoan Spirostomum ambiguum: Toxicity, Bioaccumulation, and Biotransformation Products. Molecules, 2020, 25, 1476.	1.7	16
47	Polylactide Conjugates of Camptothecin with Different Drug Release Abilities. Molecules, 2014, 19, 19460-19470.	1.7	15
48	A Comparison of Sensitivity of Spirotox Biotest with Standard Toxicity Tests. Archives of Environmental Contamination and Toxicology, 2002, 42, 389-395.	2.1	14
49	Radiolytic decomposition of pesticide carbendazim in waters and wastes for environmental protection. Journal of Radioanalytical and Nuclear Chemistry, 2011, 289, 303-314.	0.7	14
50	Analytical and ecotoxicological studies on degradation of fluoxetine and fluvoxamine by potassium ferrate. Environmental Technology (United Kingdom), 2019, 40, 3265-3275.	1.2	14
51	In Vitro Biotransformation of Amitriptyline and Imipramine with Rat Hepatic S9 Fraction: Evaluation of the Toxicity with Spirotox and Thamnotoxkit Fâ„¢ Tests. Archives of Environmental Contamination and Toxicology, 2008, 54, 266-273.	2.1	13
52	Biodegradable macromolecular conjugates of citropin: Synthesis, characterization and in vitro efficiency study. Reactive and Functional Polymers, 2014, 83, 54-61.	2.0	13
53	Assessment of the chemical, microbiological and toxicological aspects of post-processing water from underground coal gasification. Ecotoxicology and Environmental Safety, 2014, 108, 294-301.	2.9	13
54	Selenium-Substituted Hydroxyapatite/Biodegradable Polymer/Pamidronate Combined Scaffold for the Therapy of Bone Tumour. International Journal of Molecular Sciences, 2015, 16, 22205-22222.	1.8	13

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55	Evaluation of photodegradation, phototoxicity and photogenotoxicity of ofloxacin in ointments with sunscreens and in solutions. Journal of Photochemistry and Photobiology B: Biology, 2015, 144, 76-84.	1.7	13
56	Application of Pleurotus ostreatus to efficient removal of selected antidepressants and immunosuppressant. Journal of Environmental Management, 2020, 273, 111131.	3.8	13
57	Radiolytic Removal of Selected Pesticides From Waters and Waste Using Ionizing Radiation. Separation Science and Technology, 2010, 45, 1651-1657.	1.3	10
58	Synthesis, Characterization and in Vitro Evaluation of New Composite Bisphosphonate Delivery Systems. International Journal of Molecular Sciences, 2014, 15, 16831-16847.	1.8	10
59	Spirotox Test â€" Spirostomum Ambiguum Acute Toxicity Test. , 2005, , 299-322.		9
60	Ampicillin-Ester Bonded Branched Polymers: Characterization, Cyto-, Genotoxicity and Controlled Drug-Release Behaviour. Molecules, 2014, 19, 7543-7556.	1.7	9
61	Development of photoprotective, antiphototoxic, and antiphotogenotoxic formulations of ocular drugs with fluoroquinolones. Journal of Photochemistry and Photobiology B: Biology, 2018, 178, 201-210.	1.7	9
62	Influence of photolabile pharmaceuticals on the photodegradation and toxicity of fluoxetine and fluvoxamine. Environmental Science and Pollution Research, 2018, 25, 6890-6898.	2.7	9
63	The development of the LCâ€"MS/MS method based on S-9 biotransformation for detection of metabolites of selected Î²-adrenolytics in surface water. Environmental Toxicology and Pharmacology, 2015, 39, 906-916.	2.0	8
64	Development and Application of a Novel QuEChERS Method for Monitoring of Tributyltin and Triphenyltin in Bottom Sediments of the Odra River Estuary, North Westernmost Part of Poland. Molecules, 2020, 25, 591.	1.7	8
65	Influence of Nano- and Small Microplastics on Ciliated Protozoan Spirostomum ambiguum (MÃ¼ller,) Tj ETQq1 1 0.784314 rgBT /Ove	1.2	8
66	Peptide Dendrimer Functionalized with Amphiphilic Triblock Copolymers: Synthesis and Characterization. Macromolecular Chemistry and Physics, 2015, 216, 1365-1375.	1.1	7
67	Recovery of Lemna minor after exposure to sulfadimethoxine irradiated and non-irradiated in a solar simulator. Environmental Science and Pollution Research, 2017, 24, 27642-27652.	2.7	7
68	Promising Macromolecular Conjugates of Camptothecin - the Synthesis, Characterization andin vitroStudies. Journal of Macromolecular Science - Pure and Applied Chemistry, 2014, 51, 254-262.	1.2	6
69	Hydrogels Based on Poly(Ether-Ester)s as Highly Controlled 5-Fluorouracil Delivery Systemsâ€"Synthesis and Characterization. Materials, 2021, 14, 98.	1.3	6
70	The toxicity of tri-substituted benzenes to the protozoan ciliate Spirostomum ambiguum. Chemosphere, 2002, 46, 333-337.	4.2	5
71	Conjugation of ÃŸ-Adrenergic Antagonist Alprenolol to Implantable Polymer-Aescin Matrices for Local Delivery. Polymers, 2015, 7, 1820-1836.	2.0	5
72	Multi- and unilamellar liposomal encapsulation of ciprofloxacin as ways to modify its phototoxicity and photodegradation. European Journal of Pharmaceutical Sciences, 2019, 129, 181-189.	1.9	5

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73	Toxicological Evaluation of Thermal Treatment of Drilling Waste from Shale Gas Exploration in Poland. Ecological Chemistry and Engineering S, 2019, 26, 45-57.	0.3	5
74	Prazosin-Conjugated Matrices Based on Biodegradable Polymers and Î±-Amino Acidsâ€”Synthesis, Characterization, and in Vitro Release Study. Molecules, 2015, 20, 14533-14551.	1.7	4
75	An alternative approach to controlled release of oxprenolol from the implantable delivery system based on biodegradable copolymer and genistein. Journal of Macromolecular Science - Pure and Applied Chemistry, 2016, 53, 169-176.	1.2	3
76	Polymeric bisphosphonate derivative of ciprofloxacin â€“ synthesis, structural analysis and antibacterial activity of the prospective conjugate. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 691-702.	1.8	3
77	Polyscias filicifolia (Araliaceae) Hairy Roots with Antigenotoxic and Anti-Photogenotoxic Activity. Molecules, 2022, 27, 186.	1.7	3
78	Cyto- and genotoxicity evaluation of the biomedical polyesters obtained in the presence of new zinc catalytic systems. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 768-772.	1.8	2
79	HYDROELECTRIC POWER PLANTS IN THE BASIN OF SÅUPIA RIVER â€“ TOURISTIC ATTRACTION OR ECOLOGICAL THREAT?. Folia Pomeranae Universitatis Technologiae Stetinensis Seria Agricultura, Alimentaria, Piscaria Et Zootechnica, 2017, 330, 33-46.	0.1	1
80	EVALUATION OF TOXICITY OF BIOLOGICALLY SYNTHESIZED SILVER NANOPARTICLES (Ag-NPs) USING LEMNA TEST AND ALGALTOXKIT F. Folia Pomeranae Universitatis Technologiae Stetinensis Seria Agricultura, Alimentaria, Piscaria Et Zootechnica, 2017, 330, 57-66.	0.1	0