

# Maria Augustyniak

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

1,392  
citations

279798

23  
h-index

414414

32  
g-index

81  
all docs

81  
docs citations

81  
times ranked

1222  
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-delayed effects of a single application of AgNPs on structure of testes and functions in <i>Blaps polychresta</i> Forskal, 1775 (Coleoptera: Tenebrionidae). <i>Science of the Total Environment</i> , 2022, 806, 150644.	8.0	7
2	<i>Cydalima perspectalis</i> in Poland – 8 Years of Invasion against the Background of Three Other Invasive Species. <i>Diversity</i> , 2022, 14, 22.	1.7	2
3	Reduced body length and morphological disorders in <i>Chrysomya albiceps</i> (Diptera: Calliphoridae) larvae reared on aluminum phosphide-treated rabbits. <i>Scientific Reports</i> , 2022, 12, 8358.	3.3	4
4	Does age pay off? Effects of three-generational experiments of nanodiamond exposure and withdrawal in wild and longevity-selected model animals. <i>Chemosphere</i> , 2022, 303, 135129.	8.2	3
5	Energy reserves, oxidative stress and development traits of <i>Spodoptera exigua</i> Hübner individuals from cadmium strain. <i>Environmental Pollution</i> , 2021, 268, 115366.	7.5	5
6	Native Bacteria from Djebel Onk Mine (Algeria) Exhibit Selective Adhesion onto Phosphate Ore. <i>Environmental Science and Engineering</i> , 2021, , 735-739.	0.2	0
7	Mg and Cd Biosorption by Native Bacteria From Djebel Onk Mine (Algeria). <i>Environmental Science and Engineering</i> , 2021, , 835-839.	0.2	0
8	Electron Spin Echo Studies of Hydrothermally Reduced Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2021, 125, 4102-4109.	3.1	4
9	Stage-, sex- and tissue-related changes in H <sub>2</sub> O <sub>2</sub> , glutathione concentration, and glutathione-dependent enzymes activity in <i>Aiolopus thalassinus</i> (Orthoptera: Acrididae) from heavy metal polluted areas. <i>Ecotoxicology</i> , 2021, 30, 478-491.	2.4	9
10	The Structure – Properties – Cytotoxicity Interplay: A Crucial Pathway to Determining Graphene Oxide Biocompatibility. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5401.	4.1	11
11	Do nanoparticles cause hormesis? Early physiological compensatory response in house crickets to a dietary admixture of GO, Ag, and GOAg composite. <i>Science of the Total Environment</i> , 2021, 788, 147801.	8.0	10
12	Multigenerational graphene oxide intoxication results in reproduction disorders at the molecular level of vitellogenin protein expression in <i>Acheta domesticus</i> . <i>Chemosphere</i> , 2021, 280, 130772.	8.2	7
13	Multigenerational selection towards longevity changes the protective role of vitamin C against graphene oxide-induced oxidative stress in house crickets. <i>Environmental Pollution</i> , 2021, 290, 117996.	7.5	6
14	Vitellogenin expression, DNA damage, health status of cells and catalase activity in <i>Acheta domesticus</i> selected according to their longevity after graphene oxide treatment. <i>Science of the Total Environment</i> , 2020, 737, 140274.	8.0	14
15	Localization of conduction electrons in hydrothermally reduced graphene oxide: electron paramagnetic resonance studies. <i>Carbon</i> , 2020, 168, 665-672.	10.3	23
16	DNA damage in <i>Spodoptera exigua</i> after multigenerational cadmium exposure - A trade-off between genome stability and adaptation. <i>Science of the Total Environment</i> , 2020, 745, 141048.	8.0	18
17	Oxidative stress parameters, DNA damage and expression of HSP70 and MT in midgut of <i>Trachyderma hispida</i> (Forskål, 1775) (Coleoptera: Tenebrionidae) from a textile industry area. <i>Environmental Pollution</i> , 2020, 267, 115661.	7.5	13
18	Autophagy: a necessary defense against extreme cadmium intoxication in a multigenerational 2D experiment. <i>Scientific Reports</i> , 2020, 10, 21141.	3.3	9

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19	Graphene oxide as a new anthropogenic stress factor - multigenerational study at the molecular, cellular, individual and population level of <i>Acheta domesticus</i> . <i>Journal of Hazardous Materials</i> , 2020, 396, 122775.	12.4	25
20	Protective role of zinc in <i>Spodoptera exigua</i> larvae under 135-generational cadmium exposure. <i>Chemosphere</i> , 2019, 235, 785-793.	8.2	7
21	Adhesion abilities and biosorption of Cd and Mg by microorganisms - first step for eco-friendly beneficiation of phosphate ore. <i>Scientific Reports</i> , 2019, 9, 12929.	3.3	3
22	Slow spin relaxation of paramagnetic centers in graphene oxide. <i>Carbon</i> , 2019, 152, 98-105.	10.3	24
23	Microevolution or wide tolerance? Level of stress proteins in the beet armyworm <i>Spodoptera exigua</i> hatched after (Lepidoptera: Noctuidae) exposed to cadmium for over 150 generations. <i>Ecotoxicology and Environmental Safety</i> , 2019, 178, 1-8.	6.0	17
24	Immune response of juvenile common carp ( <i>Cyprinus carpio</i> L.) exposed to a mixture of sewage chemicals. <i>Fish and Shellfish Immunology</i> , 2019, 88, 17-27.	3.6	13
25	Antioxidant enzyme activity in responses to environmentally induced oxidative stress in the 5th instar nymphs of <i>Aiolopus thalassinus</i> (Orthoptera: Acrididae). <i>Environmental Science and Pollution Research</i> , 2019, 26, 3823-3833.	5.3	14
26	Identification of a Slowly Relaxing Paramagnetic Center in Graphene Oxide. <i>Applied Magnetic Resonance</i> , 2019, 50, 761-768.	1.2	19
27	Molecular changes in vitellogenin gene of <i>Spodoptera exigua</i> after long-time exposure to cadmium - "Toxic side effect or microevolution?". <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 461-470.	6.0	21
28	Reproduction and development of <i>Spodoptera exigua</i> from cadmium and control strains under differentiated cadmium stress. <i>Ecotoxicology and Environmental Safety</i> , 2018, 166, 138-145.	6.0	25
29	Chronic toxicity of nanodiamonds can disturb development and reproduction of <i>Acheta domesticus</i> L. <i>Environmental Research</i> , 2018, 166, 602-609.	7.5	28
30	Reduced fecundity and cellular changes in <i>Acheta domesticus</i> after multigenerational exposure to graphene oxide nanoparticles in food. <i>Science of the Total Environment</i> , 2018, 635, 947-955.	8.0	27
31	Evaluation of oxidative stress biomarkers in <i>Aiolopus thalassinus</i> (Orthoptera: Acrididae) collected from areas polluted by the fertilizer industry. <i>Ecotoxicology</i> , 2017, 26, 340-350.	2.4	16
32	Short-term in vivo exposure to graphene oxide can cause damage to the gut and testis. <i>Journal of Hazardous Materials</i> , 2017, 328, 80-89.	12.4	36
33	Biomonitoring of genotoxicity of industrial fertilizer pollutants in <i>Aiolopus thalassinus</i> (Orthoptera: Acrididae) using alkaline comet assay. <i>Chemosphere</i> , 2017, 182, 762-770.	8.2	13
34	Lifespan differences between queens and workers are not explained by rates of molecular damage. <i>Experimental Gerontology</i> , 2017, 92, 1-6.	2.8	12
35	Evaluation of Candidate Reference Genes for Quantitative Gene Expression Analysis in <i>Spodoptera exigua</i> after Long-time Exposure to Cadmium. <i>Scientific Reports</i> , 2017, 7, 8338.	3.3	16
36	Cross tolerance in beet armyworm: long-term selection by cadmium broadens tolerance to other stressors. <i>Ecotoxicology</i> , 2017, 26, 1408-1418.	2.4	20

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37	Caffeine effects on AdoR mRNA expression in <i>Drosophila melanogaster</i> . <i>Open Life Sciences</i> , 2016, 11, 244-249.	1.4	4
38	Phenotypic Plasticity, Epigenetic or Genetic Modifications in Relation to the Duration of Cd-Exposure within a Microevolution Time Range in the Beet Armyworm. <i>PLoS ONE</i> , 2016, 11, e0167371.	2.5	24
39	Genotoxic effects of starvation and dimethoate in haemocytes and midgut gland cells of wolf spider <i>Xerolycosa nemoralis</i> (Lycosidae). <i>Environmental Pollution</i> , 2016, 213, 370-378.	7.5	10
40	The level of DNA damage in adult grasshoppers <i>Chorthippus biguttulus</i> (Orthoptera, Acrididae) following dimethoate exposure is dependent on the insects' habitat. <i>Environmental Pollution</i> , 2016, 215, 266-272.	7.5	13
41	Oxidative stress and genotoxic effects of diamond nanoparticles. <i>Environmental Research</i> , 2016, 148, 264-272.	7.5	28
42	Ultrastructure of the gut epithelium in <i>Acheta domesticus</i> after long-term exposure to nanodiamonds supplied with food. <i>Arthropod Structure and Development</i> , 2016, 45, 253-264.	1.4	28
43	Effects of short-term exposure of <i>Acheta domesticus</i> to nanodiamonds in food: DNA damage but no histological alteration in tissues. <i>Carbon</i> , 2016, 110, 458-468.	10.3	15
44	Evaluation of in vivo graphene oxide toxicity for <i>Acheta domesticus</i> in relation to nanomaterial purity and time passed from the exposure. <i>Journal of Hazardous Materials</i> , 2016, 305, 30-40.	12.4	48
45	The Comet assay in insects' Status, prospects and benefits for science. <i>Mutation Research - Reviews in Mutation Research</i> , 2016, 767, 67-76.	5.5	52
46	Long-term Effect of Ileal Transposition on Adipokine Serum Level in Zucker (Orl)-Lepr fa Fatty Rats. <i>Obesity Surgery</i> , 2015, 25, 1848-1857.	2.1	9
47	DNA damage in grasshopper <i>Chorthippus brunneus</i> (Orthoptera) hatchlings following paraquat exposure. <i>Chemosphere</i> , 2015, 125, 212-219.	8.2	15
48	Elemental Distribution in Reproductive and Neural Organs of the <i>Epilachna nylanderi</i> (Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 micro-PIXE. <i>Journal of Insect Science</i> , 2014, 14, 152.	1.5	6
49	DNA damage in grasshoppers' larvae " Comet assay in environmental approach. <i>Chemosphere</i> , 2014, 96, 180-187.	8.2	31
50	Ileal transposition in rats influenced glucose metabolism and HSP70 levels. <i>Open Life Sciences</i> , 2014, 10, .	1.4	2
51	ESR study of spin relaxation in graphene. <i>Chemical Physics Letters</i> , 2013, 557, 118-122.	2.6	45
52	Alteration of carbohydrates metabolism and midgut glucose absorption in <i>Gromphadorhina portentosa</i> after subchronic exposure to imidacloprid and fenitrothion. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 1644-1651.	1.7	7
53	EPR evidence of antiferromagnetic ordering in single-layer graphene. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011, 5, 271-273.	2.4	29
54	MicroPIXE studies of Ni elimination strategies in representatives of two families of beetles feeding on Ni hyperaccumulating plant <i>Berkheya coddii</i> . <i>X-Ray Spectrometry</i> , 2011, 40, 194-197.	1.4	14

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55	Oxidative stress in newly-hatched <i>Chorthippus brunneus</i> – the effects of zinc treatment during diapause, depending on the female's age and its origins. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011, 154, 172-179.	2.6	8
56	Hsp70 level in progeny of aging grasshoppers from variously polluted habitats and additionally exposed to zinc during diapause. <i>Journal of Insect Physiology</i> , 2009, 55, 735-741.	2.0	17
57	Does the grasshopper <i>Chorthippus brunneus</i> adapt to metal polluted habitats? A study of glutathione-dependent enzymes in grasshopper nymphs. <i>Insect Science</i> , 2009, 16, 33-42.	3.0	25
58	Nuclear microprobe studies of grasshopper feeding on nickel hyperaccumulating plants. <i>X-Ray Spectrometry</i> , 2008, 37, 142-145.	1.4	12
59	Effects of zinc and female aging on nymphal life history in a grasshopper from polluted sites. <i>Journal of Insect Physiology</i> , 2008, 54, 41-50.	2.0	24
60	Short-term effects of dimethoate on metabolic responses in <i>Chrysolina pardalina</i> (Chrysomelidae) feeding on <i>Berkheya coddii</i> (Asteraceae), a hyper-accumulator of nickel. <i>Environmental Pollution</i> , 2007, 150, 218-224.	7.5	12
61	Glutathione-dependent enzymes in grasshopper Nymphs after zinc treatment. <i>Toxicology Letters</i> , 2007, 172, S155-S156.	0.8	1
62	Nickel toxicity in the hepatopancreas of an isopod <i>Porcellio scaber</i> (Oniscidea). <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2007, 260, 213-217.	1.4	6
63	Micro-PIXE studies of elemental distribution in sap-feeding insects associated with Ni hyperaccumulator, <i>Berkheya coddii</i> . <i>Plant and Soil</i> , 2007, 293, 197-207.	3.7	20
64	Nickel toxicity in the hindgut of an isopod <i>Porcellio scaber</i> (Oniscidea). <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2007, 260, 222-226.	1.4	2
65	Effects of female aging and metal pollution on glutathione-dependent enzymes in <i>Chorthippus brunneus</i> nymphs. <i>Toxicology Letters</i> , 2006, 164, S153-S154.	0.8	1
66	GSH-dependent enzymes and heavy metals mapping in grasshopper associated with Nickel hyperaccumulators. <i>Toxicology Letters</i> , 2006, 164, S154.	0.8	0
67	The effects of female age and heavy metals on DNA damage in grasshopper brains. <i>Toxicology Letters</i> , 2006, 164, S154-S155.	0.8	0
68	Zinc-induced DNA damage and the distribution of metals in the brain of grasshoppers by the comet assay and micro-PIXE. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2006, 144, 242-251.	2.6	32
69	Micro-PIXE in ecophysiology. <i>X-Ray Spectrometry</i> , 2005, 34, 285-289.	1.4	31
70	Joint effects of dimethoate and heavy metals on metabolic responses in a grasshopper ( <i>Chorthippus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf <i>Toxicology and Pharmacology</i> , 2005, 141, 412-419.	2.6	17
71	Elemental microanalysis in ecophysiology using ion microbeam. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2004, 219-220, 57-66.	1.4	23
72	Profiles of enzymatic activity in earthworms from zinc, lead and cadmium polluted areas near Olkusz (Poland). <i>Environment International</i> , 2004, 30, 901-910.	10.0	116

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73	Relations between metals (Zn, Pb, Cd and Cu) and glutathione-dependent detoxifying enzymes in spiders from a heavy metal pollution gradient. <i>Environmental Pollution</i> , 2004, 132, 453-461.	7.5	75
74	Functional analysis of metals distribution in organs of the beetle <i>Chrysolina pardalina</i> exposed to excess of nickel by Micro-PIXE. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2003, 210, 343-348.	1.4	35
75	Activity of glutathione S-transferase in <i>Spodoptera exigua</i> larvae exposed to cadmium and zinc in two subsequent generations. <i>Environment International</i> , 2003, 28, 683-686.	10.0	30
76	Chapter 16 Body burden with metals and detoxifying abilities of the grasshopper "Chorthippus brunneus (Thunberg) from industrially polluted areas. <i>Trace Metals in the Environment</i> , 2000, 4, 423-454.	0.2	30
77	Heavy Metals, Resting Metabolism Rates and Breeding Parameters in Two Populations of Black-Headed Gull <i>Larus ridibundus</i> from the Industrially Polluted Areas of Upper Silesia, Poland. <i>Acta Ornithologica</i> , 2000, 35, 159-172.	0.5	14
78	Eight Years of <i>Cydalima perspectalis</i> in Poland "From the First Finding to the Status of Invasive Species", 0, , .		0