

Zbigniew Tukaj

List of Publications by Year in descending order

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44
papers

843
citations

471509
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526287
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docs citations

45
times ranked

1038
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Therapeutic Implications of Targeting Heat Shock Protein 70 by Immunization or Antibodies in Experimental Skin Inflammation. <i>Frontiers in Immunology</i> , 2021, 12, 614320. | 4.8 | 9 |
| 2 | Production of recombinant human deoxyribonuclease I in <i>Luffa cylindrica</i> L. and <i>Nicotiana tabacum</i> L.: evidence for protein secretion to the leaf intercellular space. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 136, 51-63. | 2.3 | 2 |
| 3 | Exogenously applied hydrogen peroxide modifies the course of the <i>Chlamydomonas reinhardtii</i> cell cycle. <i>Journal of Plant Physiology</i> , 2018, 230, 61-72. | 3.5 | 10 |
| 4 | Changes in nitric oxide/hydrogen peroxide content and cell cycle progression: Study with synchronized cultures of green alga <i>Chlamydomonas reinhardtii</i> . <i>Journal of Plant Physiology</i> , 2017, 208, 84-93. | 3.5 | 38 |
| 5 | Mature <i>Luffa</i> Leaves (<i>Luffa cylindrica</i> L.) as a Tool for Gene Expression Analysis by Agroinfiltration. <i>Frontiers in Plant Science</i> , 2017, 8, 228. | 3.6 | 4 |
| 6 | Effects of juglone and lawsone on oxidative stress in maize coleoptile cells treated with IAA. <i>AoB PLANTS</i> , 2016, 8, . | 2.3 | 19 |
| 7 | High hydrogen peroxide production and antioxidative enzymes expression in the <i>Chlamydomonas reinhardtii</i> cia3 mutant with an increased tolerance to cadmium and anthracene. <i>Phycological Research</i> , 2016, 64, 300-311. | 1.6 | 14 |
| 8 | Rooting response of <i>Prunus domestica</i> L. microshoots in the presence of phytoactive medium supplements. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 125, 163-176. | 2.3 | 17 |
| 9 | Chlorophyll catabolites in conditioned media of green microalga <i>Desmodesmus subspicatus</i> . <i>Journal of Applied Phycology</i> , 2016, 28, 889-896. | 2.8 | 7 |
| 10 | Growth Improvement of <i>Nicotiana</i> and <i>Arabidopsis</i> In Vitro by Microalgal Conditioned Media. <i>Acta Biologica Cracoviensia Series Botanica</i> , 2015, 56, 91-97. | 0.5 | 2 |
| 11 | Adaptation strategies of two closely related <i>Desmodesmus armatus</i> (green alga) strains contained different amounts of cadmium: A study with light-induced synchronized cultures of algae. <i>Journal of Plant Physiology</i> , 2014, 171, 69-77. | 3.5 | 21 |
| 12 | Time-dependent changes in antioxidative enzyme expression and photosynthetic activity of <i>Chlamydomonas reinhardtii</i> cells under acute exposure to cadmium and anthracene. <i>Ecotoxicology and Environmental Safety</i> , 2014, 110, 31-40. | 6.0 | 49 |
| 13 | Sensitivity to fuel diesel oil and cell wall structure of some <i>Scenedesmus</i> (Chlorococcales) strains. <i>Acta Societatis Botanicorum Poloniae</i> , 2014, 64, 139-147. | 0.8 | 6 |
| 14 | Promoting effects of organic medium supplements on the micropropagation of promising ornamental <i>Daphne</i> species (Thymelaeaceae). <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2013, 49, 51-59. | 2.1 | 20 |
| 15 | Induction time of Fe-SOD synthesis and activity determine different tolerance of two <i>Desmodesmus</i> (green algae) strains to chloridazon: A study with synchronized cultures. <i>Pesticide Biochemistry and Physiology</i> , 2013, 107, 68-77. | 3.6 | 4 |
| 16 | Effect of thiosulphinates contained in garlic extract on growth, proton fluxes and membrane potential in maize (<i>Zea mays</i> L.) coleoptile segments. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 41-52. | 2.1 | 11 |
| 17 | The mechanism of anthracene interaction with photosynthetic apparatus: A study using intact cells, thylakoid membranes and PS II complexes isolated from <i>Chlamydomonas reinhardtii</i> . <i>Aquatic Toxicology</i> , 2011, 104, 205-210. | 4.0 | 17 |
| 18 | Functional characteristics of green alga <i>Scenedesmus obliquus</i> (Chlorophyceae): 276 wild type and its two photosystems deficient mutants cultured under photoautotrophic, mixotrophic and heterotrophic conditions. <i>Phycological Research</i> , 2011, 59, 259-268. | 1.6 | 2 |

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|----|---|-----|-----------|
| 19 | Time- and Dose-Dependent Induction of HSP70 in <i>Lemna minor</i> Exposed to Different Environmental Stressors. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 87, 226-230. | 2.7 | 22 |
| 20 | Toxicity of Cadmium, Anthracene, and Their Mixture to <i>Desmodesmus subspicatus</i> Estimated by Algal Growth-Inhibition ISO Standard Test. <i>Archives of Environmental Contamination and Toxicology</i> , 2011, 60, 610-617. | 4.1 | 19 |
| 21 | Effect of temperature on the dose-response curves for auxin-induced elongation growth in maize coleoptile segments. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 437-442. | 2.1 | 11 |
| 22 | Conditioned medium factor produced and released by <i>Desmosdemus subspicatus</i> and its effect on the cell cycle of the producer. <i>Journal of Applied Phycology</i> , 2010, 22, 517-524. | 2.8 | 7 |
| 23 | Distinct chemical contaminants induce the synthesis of Hsp70 proteins in green microalgae <i>Desmodesmus subspicatus</i> : Heat pretreatment increases cadmium resistance. <i>Journal of Thermal Biology</i> , 2010, 35, 239-244. | 2.5 | 31 |
| 24 | The combined effect of anthracene and cadmium on photosynthetic activity of three <i>Desmodesmus</i> (Chlorophyta) species. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 1207-1213. | 6.0 | 34 |
| 25 | The effect of conditioned medium obtained from <i>Scenedesmus subspicatus</i> on suspension culture of <i>Silene vulgaris</i> (Caryophyllaceae). <i>Acta Physiologiae Plantarum</i> , 2009, 31, 881-887. | 2.1 | 9 |
| 26 | Autoinduction activity of a conditioned medium obtained from high density cultures of the green alga <i>Scenedesmus subspicatus</i> . <i>Journal of Applied Phycology</i> , 2008, 20, 323-330. | 2.8 | 26 |
| 27 | Intact anthracene inhibits photosynthesis in algal cells: A fluorescence induction study on <i>Chlamydomonas reinhardtii</i> cw92 strain. <i>Chemosphere</i> , 2008, 74, 26-32. | 8.2 | 73 |
| 28 | Photosynthetic Efficiency During the Cell Cycle of the Green Alga <i>Desmodesmus armatus</i> Reaches Maxima in G1 Phases and Minima in G1/S Transients. , 2008, , 1053-1056. | | 0 |
| 29 | Toxic effects of anthraquinone and phenanthrenequinone upon <i>Scenedesmus</i> strains (green algae) at low and elevated concentration of CO ₂ . <i>Chemosphere</i> , 2007, 66, 480-487. | 8.2 | 39 |
| 30 | Cadmium effect on the growth, photosynthesis, ultrastructure and phytochelatin content of green microalga <i>Scenedesmus armatus</i> : A study at low and elevated CO ₂ concentration. <i>Environmental and Experimental Botany</i> , 2007, 60, 291-299. | 4.2 | 77 |
| 31 | Relationships between growth, development and photosynthetic activity during the cell cycle of <i>Desmodesmus armatus</i> (Chlorophyta) in synchronous cultures. <i>European Journal of Phycology</i> , 2006, 41, 29-38. | 2.0 | 14 |
| 32 | Toxicity of Three Insecticides in a Standard Algal Growth Inhibition Test with <i>Scenedesmus subspicatus</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2005, 74, 1192-1198. | 2.7 | 16 |
| 33 | The Effect of Anthracene and Phenanthrene on the Growth, Photosynthesis, and SOD Activity of the Green Alga <i>Scenedesmus armatus</i> Depends on the PAR Irradiance and CO ₂ Level. <i>Archives of Environmental Contamination and Toxicology</i> , 2004, 47, 177-84. | 4.1 | 51 |
| 34 | Activities of superoxide dismutase (SOD) isoforms during growth of <i>Scenedesmus</i> (chlorophyta) species and strains grown in batch-cultures. <i>Acta Physiologiae Plantarum</i> , 2003, 25, 375-384. | 2.1 | 24 |
| 35 | Changes in the pigment patterns and the photosynthetic activity during a light-induced cell cycle of the green alga <i>Scenedesmus armatus</i> . <i>Plant Physiology and Biochemistry</i> , 2003, 41, 337-344. | 5.8 | 28 |
| 36 | Toxicity of inorganic cadmium salts to the microalga <i>Scenedesmus armatus</i> (Chlorophyta) with respect to medium composition, pH and CO ₂ concentration. <i>Acta Physiologiae Plantarum</i> , 2002, 24, 59-65. | 2.1 | 13 |

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|----|---|-----|-----------|
| 37 | Oxygen evolution and photosynthetic energy storage during the cell cycle of green alga <i>Scenedesmus armatus</i> characterized by photoacoustic spectroscopy. <i>Journal of Plant Physiology</i> , 2001, 158, 1061-1067. | 3.5 | 8 |
| 38 | A morphometric and stereological analysis of ultrastructural changes in two <i>Scenedesmus</i> (Chlorococcales, Chlorophyta) strains subjected to diesel fuel oil pollution. <i>Phycologia</i> , 1998, 37, 388-393. | 1.4 | 17 |
| 39 | EFFECT OF IRRADIANCE ON GROWTH AND REPRODUCTIVE PROCESSES DURING THE CELL CYCLE IN <i>SCENEDESMUS ARMATUS</i> (CHLOROPHYTA)1. <i>Journal of Phycology</i> , 1996, 32, 624-631. | 2.3 | 16 |
| 40 | Characterization by photoacoustic spectroscopy of the photosynthetic <i>Scenedesmus armatus</i> system affected by fuel oil contamination. <i>Archives of Environmental Contamination and Toxicology</i> , 1995, 29, 406-410. | 4.1 | 9 |
| 41 | Photoacoustic Measurements of Photosynthetic Energy Storage in <i>Scenedesmus Armatus</i> Exposed to "Baltic" Crude Oil. , 1995, , 4909-4912. | | 0 |
| 42 | Effect of fuel oil and dispersant on cell cycle and macromolecular synthesis in the chlorococcal alga <i>Scenedesmus armatus</i> . <i>Marine Biology</i> , 1993, 117, 347-353. | 1.5 | 13 |
| 43 | The effect of fuel oil on the ultrastructure of the chlorococcal alga <i>Scenedesmus armatus</i> . <i>Protoplasma</i> , 1989, 151, 47-56. | 2.1 | 2 |
| 44 | The effects of crude and fuel oils on the growth, chlorophyll "a" content and dry matter production of a green alga <i>Scenedesmus quadricauda</i> (Turp.) Grun. <i>Environmental Pollution</i> , 1987, 47, 9-24. | 7.5 | 30 |