Magdalena Zuk

List of Publications by Year
in descending order

61	1,118	393982	454577
papers	citations	19 h-index	30 g-index

63	63	63	1373
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Antimicrobial Properties of Poplar and Aspenâ€“Poplar Propolises and Their Active Components against Selected Microorganisms, including Helicobacter pylori. Pathogens, 2022, 11, 191.	1.2	14
2	Celastrol and Resveratrol Modulate SIRT Genes Expression and Exert Anticancer Activity in Colon Cancer Cells and Cancer Stem-like Cells. Cancers, 2022, 14, 1372.	1.7	16
3	Atherosclerosis Development and Aortic Contractility in Hypercholesterolemic Rabbits Supplemented with Two Different Flaxseed Varieties. Foods, 2021, 10, 534.	1.9	2
4	Impact of Plant Origin on Eurasian Propolis on Phenolic Profile and Classical Antioxidant Activity. Biomolecules, 2021, 11, 68.	1.8	19
5	Linseed Silesia, Diverse Crops for Diverse Diets. New Solutions to Increase Dietary Lipids in Crop Species. Foods, 2021, 10, 2675.	1.9	6
6	The Technological Process of Obtaining New Linen Dressings Did Not Cause the Loss of Their Wound-Healing Properties. Materials, 2021, 14, 7736.	1.3	1
7	Wound coverage by the linen dressing accelerates ulcer healing. Postepy Dermatologii I Alergologii, 2021, 38, 827-841.	0.4	2
8	Supporting fibula free flap harvest with augmented reality: A proofâ€ofâ€concept study. Laryngoscope, 2020, 130, 1173-1179.	1.1	19
9	Metabolism of the Cyanogenic Glucosides in Developing Flax: Metabolic Analysis, and Expression Pattern of Genes. Metabolites, 2020, 10, 288.	1.3	14
10	Were our Ancestors Right in Using Flax Dressings? Research on the Properties of Flax Fibre and Its Usefulness in Wound Healing. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-10.	1.9	4
11	Spectroscopic and biochemical characteristics of flax transgenic callus cultures producing PHB. Plant Cell, Tissue and Organ Culture, 2020, 141, 489-497.	1.2	4
12	3-Hydroxybutyrate Is Active Compound in Flax that Upregulates Genes Involved in DNA Methylation. International Journal of Molecular Sciences, 2020, 21, 2887.	1.8	11
13	Temporal biosynthesis of flavone constituents in flax growth stages. Plant Physiology and Biochemistry, 2019, 142, 234-245.	2.8	21
14	Transgenerational Perpetuation of CHS Gene Expression and DNA Methylation Status Induced by Short Oligodeoxynucleotides in Flax (Linum usitatissimum). International Journal of Molecular Sciences, 2019, 20, 3983.	1.8	4
15	Supporting mandibular resection with intraoperative navigation utilizing augmented reality technology â€“ A proof of concept study. Journal of Cranio-Maxillo-Facial Surgery, 2019, 47, 854-859.	0.7	38
16	Navigation-guided fibula free flap for mandibular reconstruction: A proof of concept study. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2019, 72, 572-580.	0.5	18
17	Use of Natural Components Derived from Oil Seed Plants for Treatment of Inflammatory Skin Diseases. Current Pharmaceutical Design, 2019, 25, 2241-2263.	0.9	2
18	A Preliminary Evaluation of a Basic Fluorescence Image Processing in MentorEye System Using Artificially Prepared Phantoms. Advances in Intelligent Systems and Computing, 2019, , 89-100.	0.5	1

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19	An Application of aÂHaptic Device in aÂComputer Aided Surgery. Advances in Intelligent Systems and Computing, 2019, , 194-204.	0.5	0
20	Use of the surface electromyography for a quantitative trend validation of estimated muscle forces. Biocybernetics and Biomedical Engineering, 2018, 38, 243-250.	3.3	18
21	The effects of seed from Linum usitatissimum cultivar with increased phenylpropanoid compounds and hydrolysable tannin in a high cholesterol-fed rabbit. Lipids in Health and Disease, 2018, 17, 76.	1.2	11
22	Evaluation of Calibration Procedure for Stereoscopic Visualization Using Optical See-Through Head Mounted Displays for a Complex Oncological Treatment. Lecture Notes in Computational Vision and Biomechanics, 2018, , 354-359.	0.5	1
23	Influence of Uncertainty in Selected Musculoskeletal Model Parameters on Muscle Forces Estimated in Inverse Dynamics-Based Static Optimization and Hybrid Approach. Journal of Biomechanical Engineering, 2018, 140, .	0.6	16
24	The Rigid Registration of CT and Scanner Dataset for Computer Aided Surgery. Lecture Notes in Computational Vision and Biomechanics, 2018, , 345-353.	0.5	3
25	Biopsy Procedure Applied in MentorEye Molecular Surgical Navigation System. Lecture Notes in Computational Vision and Biomechanics, 2018, , 338-344.	0.5	2
26	A new genotype of flax (Linum usitatissimum L.) with decreased susceptibility to fat oxidation: consequences to hematological and biochemical profiles of blood indices. Journal of the Science of Food and Agriculture, 2017, 97, 165-171.	1.7	12
27	Oligodeoxynucleotides Can Transiently Up- and Downregulate CHS Gene Expression in Flax by Changing DNA Methylation in a Sequence-Specific Manner. Frontiers in Plant Science, 2017, 8, 755.	1.7	13
28	Chalcone Synthase (CHS) Gene Suppression in Flax Leads to Changes in Wall Synthesis and Sensing Genes, Cell Wall Chemistry and Stem Morphology Parameters. Frontiers in Plant Science, 2016, 7, 894.	1.7	32
29	The Influence of Uncertainty in Body Segment Mass on Calculated Joint Moments and Muscle Forces. Advances in Intelligent Systems and Computing, 2016, , 349-359.	0.5	1
30	Effect of Dose and Administration Period of Seed Cake of Genetically Modified and Non-Modified Flax on Selected Antioxidative Activities in Rats. International Journal of Molecular Sciences, 2015, 16, 14259-14275.	1.8	10
31	Kinematic Analysis of a Six-Degrees-of-Freedom Model Based on ISB Recommendation: A Repeatability Analysis and Comparison with Conventional Gait Model. Applied Bionics and Biomechanics, 2015, 2015, 1-9.	0.5	35
32	Linseed, the multipurpose plant. Industrial Crops and Products, 2015, 75, 165-177.	2.5	68
33	Transgenic flax overexpressing polyphenols as a potential anti-inflammatory dietary agent. Journal of Functional Foods, 2015, 14, 299-307.	1.6	4
34	Image-guided bone resection as a prospective alternative to cutting templatesâ€”A preliminary study. Journal of Cranio-Maxillo-Facial Surgery, 2015, 43, 1021-1027.	0.7	22
35	Natural phenolics greatly increase flax (Linum usitatissimum) oil stability. BMC Biotechnology, 2015, 15, 62.	1.7	39
36	Biotechnology of fibrous flax in Europe and China. Industrial Crops and Products, 2015, 68, 50-59.	2.5	22

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37	New flax producing bioplastic fibers for medical purposes. Industrial Crops and Products, 2015, 68, 80-89.	2.5	39
38	Genetically Modified Flax Expressing NAP-SsGT1 Transgene: Examination of Anti-Inflammatory Action. International Journal of Molecular Sciences, 2014, 15, 16741-16759.	1.8	5
39	Bactericidal activities of GM flax seedcake extract on pathogenic bacteria clinical strains. BMC Biotechnology, 2014, 14, 70.	1.7	21
40	Spectroscopic characterization of genetically modified flax fibers. Journal of Molecular Structure, 2014, 1074, 321-329.	1.8	9
41	Improved properties of micronized genetically modified flax fibers. Journal of Biotechnology, 2013, 164, 292-299.	1.9	16
42	Engineering Flax Plants To Increase Their Antioxidant Capacity and Improve Oil Composition and Stability. Journal of Agricultural and Food Chemistry, 2012, 60, 5003-5012.	2.4	30
43	New biocomposites based on bioplastic flax fibers and biodegradable polymers. Biotechnology Progress, 2012, 28, 1336-1346.	1.3	32
44	The Effects of Newly Developed Linen Dressings on Decubitus Ulcers. Journal of Palliative Medicine, 2012, 15, 146-148.	0.6	6
45	Flavonoid engineering of flax potentiate its biotechnological application. BMC Biotechnology, 2011, 11, 10.	1.7	64
46	IR and Raman studies of oil and seedcake extracts from natural and genetically modified flax seeds. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 1080-1089.	2.0	19
47	The effect of Linola and W92/72 transgenic flax seeds on the rabbit caecal fermentation - in vitro study. Polish Journal of Veterinary Sciences, 2011, 14, 557-64.	0.2	8
48	New dressing materials derived from transgenic flax products to treat long-standing venous ulcers-a pilot study. Wound Repair and Regeneration, 2010, 18, 168-179.	1.5	43
49	Poly-3-hydroxy butyric acid interaction with the transgenic flax fibers: FT-IR and Raman spectra of the composite extracted from a GM flax. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 286-294.	2.0	32
50	Chemical composition and molecular structure of fibers from transgenic flax producing polyhydroxybutyrate, and mechanical properties and platelet aggregation of composite materials containing these fibers. Composites Science and Technology, 2009, 69, 2438-2446.	3.8	41
51	Engineering increases in sulfur amino acid contents in flax by overexpressing the yeast Met25 gene. Plant Science, 2009, 177, 584-592.	1.7	13
52	Engineering Flax with the GT Family 1 Solanum sogarandinum Glycosyltransferase SsGT1 Confers Increased Resistance to Fusarium Infection. Journal of Agricultural and Food Chemistry, 2009, 57, 6698-6705.	2.4	65
53	Pleiotropic Effect of Phenolic Compounds Content Increases in Transgenic Flax Plant. Journal of Agricultural and Food Chemistry, 2005, 53, 3685-3692.	2.4	68
54	14-3-3 Protein Down-regulates Key Enzyme Activities of Nitrate and Carbohydrate Metabolism in Potato Plants. Journal of Agricultural and Food Chemistry, 2005, 53, 3454-3460.	2.4	44

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55	Effect of feeding potato tubers modified by 14-3-3 protein overexpression on metabolism and health status of rats. Journal of Animal and Feed Sciences, 2004, 13, 329-339.	0.4	3
56	The influence of modified 14-3-3 protein synthesis in potato plants on the nutritional value of the tubers. Food Chemistry, 2003, 82, 611-617.	4.2	5
57	ADP Ribosylation Factor Regulates Metabolism and Antioxidant Capacity of Transgenic Potato Tubers. Journal of Agricultural and Food Chemistry, 2003, 51, 288-294.	2.4	26
58	Repression of six 14-3-3 protein isoforms resulting in the activation of nitrate and carbon fixation key enzymes from transgenic potato plants. Plant Science, 2003, 165, 731-741.	1.7	10
59	Anatomical protocol for gait analysis: joint kinematics measurement and its repeatability. Journal of Theoretical and Applied Mechanics, 0, , 369.	0.2	5
60	Benzoate pathway: members, biosynthesis and function.. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , 1-12.	0.6	0
61	Polyphenol content in cold-pressed cakes of conventional and genetically modified flax as factor affecting stability of the product in different laboratory storage conditions. Journal of Animal and Feed Sciences, 0, , .	0.4	0