

Anna Masek

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

105
papers

4,375
citations

27
h-index

65
g-index

118
ext. papers

5,018
ext. citations

5.4
avg, IF

5.9
L-index

#	Paper	IF	Citations
105	Characterization of the UV-aging and antimicrobial resistance of cellulose / ethylene-norbornene composites.. <i>Carbohydrate Polymers</i> , 2022 , 289, 119459	10.3	0
104	Nanoarchitectonics for Biodegradable Superabsorbent Based on Carboxymethyl Starch and Chitosan Cross-Linked with Vanillin. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5386	6.3	0
103	Thermal Analysis Methods in Characterization of Polymer Additives 2022 , 457-483		
102	Novel Hybrid Polymer Composites Based on Anthraquinone and Eco-Friendly Dyes with Potential for Use in Intelligent Packaging Materials. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
101	Aging Resistance of Biocomposites Crosslinked with Silica and Quercetin. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
100	Biocomposites of Epoxidized Natural Rubber/Poly(lactic acid) Modified with Natural Fillers (Part I). <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
99	Novel Polymeric Biomaterial Based on Naringenin. <i>Materials</i> , 2021 , 14,	3.5	6
98	Influence of a Natural Plant Antioxidant on the Ageing Process of Ethylene-norbornene Copolymer (Topas). <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
97	Plant-Origin Stabilizer as an Alternative of Natural Additive to Polymers Used in Packaging Materials. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
96	Biocomposites of Epoxidized Natural Rubber/Poly(Lactic Acid) Modified with Natural Substances: Influence of Biomolecules on the Aging Properties (Part II). <i>Polymers</i> , 2021 , 13,	4.5	2
95	Self-Healable Biocomposites Crosslinked with a Combination of Silica and Quercetin. <i>Materials</i> , 2021 , 14,	3.5	1
94	Application of Fluids in Supercritical Conditions in the Polymer Industry. <i>Polymers</i> , 2021 , 13,	4.5	7
93	Environmentally Friendly Polymer Compositions with Natural Amber Acid. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
92	Processability and Mechanical Properties of Thermoplastic Polylactide/Polyhydroxybutyrate (PLA/PHB) Bioblends. <i>Materials</i> , 2021 , 14,	3.5	10
91	Green Copolymers Based on Poly(Lactic Acid)-Short Review. <i>Materials</i> , 2021 , 14,	3.5	8
90	Bio-Based Packaging Materials Containing Substances Derived from Coffee and Tea Plants. <i>Materials</i> , 2020 , 13,	3.5	7
89	Cellulose Modification for Improved Compatibility with the Polymer Matrix: Mechanical Characterization of the Composite Material. <i>Materials</i> , 2020 , 13,	3.5	12

88	Superiority of Cellulose Non-Solvent Chemical Modification over Solvent-Involving Treatment: Solution for Green Chemistry (Part I). <i>Materials</i> , 2020 , 13,	3.5	6
87	Antioxidant Properties of Green Coffee Extract. <i>Forests</i> , 2020 , 11, 557	2.8	11
86	Thermal Behavior of Green Cellulose-Filled Thermoplastic Elastomer Polymer Blends. <i>Molecules</i> , 2020 , 25,	4.8	15
85	Biodegradable Polyester Materials Containing Gallates. <i>Polymers</i> , 2020 , 12,	4.5	8
84	Superiority of Cellulose Non-Solvent Chemical Modification over Solvent-Involving Treatment: Application in Polymer Composite (part II). <i>Materials</i> , 2020 , 13,	3.5	9
83	Drying of the Natural Fibers as A Solvent-Free Way to Improve the Cellulose-Filled Polymer Composite Performance. <i>Polymers</i> , 2020 , 12,	4.5	10
82	The Application of (+)-Catechin and Polydatin as Functional Additives for Biodegradable Polyesters. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	10
81	Thermally Stable and Antimicrobial Active Poly(Catechin) Obtained by Reaction with a Cross-Linking Agent. <i>Biomolecules</i> , 2020 , 11,	5.9	7
80	Natural Antioxidants as Multifunctional Additives for Polymeric Materials. <i>Fibres and Textiles in Eastern Europe</i> , 2020 , 28, 37-43	0.9	2
79	Thermal Analysis of Aliphatic Polyester Blends with Natural Antioxidants. <i>Polymers</i> , 2020 , 12,	4.5	9
78	The application of natural food colorants as indicator substances in intelligent biodegradable packaging materials. <i>Food and Chemical Toxicology</i> , 2020 , 135, 110975	4.7	30
77	IR Study on Cellulose with the Varied Moisture Contents: Insight into the Supramolecular Structure. <i>Materials</i> , 2020 , 13,	3.5	30
76	Lifetime Prediction Methods for Degradable Polymeric Materials-A Short Review. <i>Materials</i> , 2020 , 13,	3.5	31
75	The Effect of Natural Additives on the Composting Properties of Aliphatic Polyesters. <i>Polymers</i> , 2020 , 12,	4.5	5
74	Natural Polymeric Compound Based on High Thermal Stability Catechin from Green Tea. <i>Biomolecules</i> , 2020 , 10,	5.9	8
73	Structure-Activity Relationships Analysis of Monomeric and Polymeric Polyphenols (Quercetin, Rutin and Catechin) Obtained by Various Polymerization Methods. <i>Chemistry and Biodiversity</i> , 2019 , 16, e1900426	2.5	8
72	Surface hydrophobisation of lignocellulosic waste for the preparation of biothermoelastoplastic composites. <i>European Polymer Journal</i> , 2019 , 118, 481-491	5.2	13
71	Cellulose structure and property changes indicated via wetting-drying cycles. <i>Polymer Degradation and Stability</i> , 2019 , 167, 33-43	4.7	15

70	Effect of Impregnation of Biodegradable Polyesters with Polyphenols from and Walnut Green Husk. <i>Polymers</i> , 2019 , 11,	4.5	14
69	Electrochemical and Spectrophotometric Characterization of the Propolis Antioxidants Properties. <i>International Journal of Electrochemical Science</i> , 2019 , 1231-1247	2.2	9
68	Universal approach of cellulose fibres chemical modification result analysis via commonly used techniques. <i>Polymer Bulletin</i> , 2019 , 76, 2147-2162	2.4	11
67	Characteristics of juglone (5-hydroxy-1,4,-naphthoquinone) using voltammetry and spectrophotometric methods. <i>Food Chemistry</i> , 2019 , 301, 125279	8.5	7
66	Cellulose Fibers Hydrophobization via a Hybrid Chemical Modification. <i>Polymers</i> , 2019 , 11,	4.5	29
65	Polyphenolic Profile and Antioxidant Activity of Juglans regia L. Leaves and Husk Extracts. <i>Forests</i> , 2019 , 10, 988	2.8	10
64	Innovative cellulose fibres reinforced ethylene-norbornene copolymer composites of an increased degradation potential. <i>Polymer Degradation and Stability</i> , 2019 , 159, 174-183	4.7	9
63	Exploring the Elements of Integrity in Peer Assessment. <i>MATEC Web of Conferences</i> , 2018 , 150, 05002	0.3	
62	The potential of quercetin as an effective natural antioxidant and indicator for packaging materials. <i>Food Packaging and Shelf Life</i> , 2018 , 16, 51-58	8.2	28
61	Polymer-based sensors: A review. <i>Polymer Testing</i> , 2018 , 67, 342-348	4.5	87
60	Pro-ecological packaging materials based on polyhydroxybutyrate (PHB). <i>E3S Web of Conferences</i> , 2018 , 44, 00092	0.5	
59	Visible Light Curing Devices - Irradiance and Use in 302 German Dental Offices. <i>Journal of Adhesive Dentistry</i> , 2018 , 20, 41-55	3	10
58	The Effect of Substances of Plant Origin on the Thermal and Thermo-Oxidative Ageing of Aliphatic Polyesters (PLA, PHA). <i>Polymers</i> , 2018 , 10,	4.5	17
57	Polymer materials with controlled degradation time. <i>E3S Web of Conferences</i> , 2018 , 44, 00122	0.5	1
56	Teacher Pedagogical Constructs Based on Model 21st Century Learning For Theoretical Subject Delivery In School. <i>Journal of Physics: Conference Series</i> , 2018 , 1049, 012051	0.3	1
55	The potential of juglone as natural dye and indicator for biodegradable polyesters. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2018 , 146442071880427	1.3	3
54	Preliminary Study: Self-Regulated Learning Procedure. <i>MATEC Web of Conferences</i> , 2018 , 150, 05008	0.3	
53	Establishing supervisor-students relationships through mutual expectation: A study from supervisors point of view. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 226, 012200	0.4	0

52	Antioxidant and Antiradical Properties of Green Tea Extract Compounds. <i>International Journal of Electrochemical Science</i> , 2017 , 6600-6610	2.2	24
51	Antioxidant properties of rose extract (<i>Rosa villosa</i> L.) measured using electrochemical and UV/Vis spectrophotometric methods. <i>International Journal of Electrochemical Science</i> , 2017 , 10994-11005	2.2	7
50	Influence of hydroxyl substitution on flavanone antioxidants properties. <i>Food Chemistry</i> , 2017 , 215, 501-505	2.7	23
49	2017 ,		1
48	The characteristics of collaborative portfolio assessment learning system as a tools in school based assessment environment 2017 ,		1
47	Physico-mechanical and thermal properties of epoxidized natural rubber/poly lactide (ENR/PLA) composites reinforced with lignocellulose. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 125, 1467-1476	4.1	13
46	A Comparative Study on the Effect of Virtual Field Trips (VFTs) Through Video Aided Learning (VAL) and Traditional Learning Approaches on Students Knowledge Acquisition. <i>Advanced Science Letters</i> , 2016 , 22, 4036-4039	0.1	1
45	Determination of Antioxidant Activity of Caffeic Acid and p- Coumaric Acid by Using Electrochemical and Spectrophotometric Assays. <i>International Journal of Electrochemical Science</i> , 2016 , 10644-10658	2.2	32
44	Antioxidant Potential of Hydroxycinnamic Acids in Advanced Oxidation Processes. <i>International Journal of Electrochemical Science</i> , 2016 , 8848-8860	2.2	4
43	Implementation of vocational training into TVET's teacher program for national core standard 2016 ,		2
42	<i>Saccharomyces cerevisiae</i> cell wall components as tools for ochratoxin a decontamination. <i>Toxins</i> , 2015 , 7, 1151-62	4.9	43
41	Flavonoids as Natural Stabilizers and Color Indicators of Ageing for Polymeric Materials. <i>Polymers</i> , 2015 , 7, 1125-1144	4.5	30
40	Investigating the Roles of Supervisory Working Alliance as Mediator for Overall Supervision Effective Using Structural Equation Modeling. <i>Advanced Science Letters</i> , 2015 , 21, 1221-1224	0.1	2
39	Electrooxidation of morin hydrate at a Pt electrode studied by cyclic voltammetry. <i>Food Chemistry</i> , 2014 , 148, 18-23	8.5	48
38	Characteristics of compounds in hops using cyclic voltammetry, UV-VIS, FTIR and GC-MS analysis. <i>Food Chemistry</i> , 2014 , 156, 353-61	8.5	56
37	Controlled degradation of biocomposites ENR/PCL containing natural antioxidants. <i>Comptes Rendus Chimie</i> , 2014 , 17, 1128-1135	2.7	5
36	ENR/PCL Polymer biocomposites from renewable resources. <i>Comptes Rendus Chimie</i> , 2014 , 17, 944-951	2.7	11
35	Dodecyl gallate as a pro-ecological antioxidant for food packing materials. <i>Comptes Rendus Chimie</i> , 2014 , 17, 1116-1127	2.7	10

34	Generating elements of Supervisory Input Support via Exploratory Factor Analysis for effective supervision in Engineering Education 2014 ,		3
33	Characteristics of curcumin using cyclic voltammetry, UV-Vis, fluorescence and thermogravimetric analysis. <i>Electrochimica Acta</i> , 2013 , 107, 441-447	6.7	62
32	Morin hydrate as pro-ecological antioxidant and pigment for polyolefin polymers. <i>Comptes Rendus Chimie</i> , 2013 , 16, 990-996	2.7	12
31	Eco-friendly elastomeric composites containing Sencha and Gun Powder green tea extracts. <i>Comptes Rendus Chimie</i> , 2012 , 15, 331-335	2.7	13
30	Antioxidant activity determination in Sencha and Gun Powder green tea extracts with the application of voltammetry and UV-VIS spectrophotometry. <i>Comptes Rendus Chimie</i> , 2012 , 15, 424-427	2.7	12
29	Characterisation of the antioxidant activity of riboflavin in an elastomeric composite. <i>Comptes Rendus Chimie</i> , 2012 , 15, 524-529	2.7	18
28	Electrooxidation of flavonoids at platinum electrode studied by cyclic voltammetry. <i>Food Chemistry</i> , 2011 , 127, 699-704	8.5	59
27	Derivatives of flavonoides as anti-ageing substances in elastomers. <i>Comptes Rendus Chimie</i> , 2011 , 14, 483-488	2.7	15
26	Hedgehog-responsive candidate cell of origin for diffuse intrinsic pontine glioma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 4453-8	11.5	194
25	The effect of Problem Based Learning on students' intrinsic motivation in the polytechnic's electrical engineering course 2011 ,		1
24	Influence of flavanone on the stabilization of ethylene-propylene elastomer. <i>Polimery</i> , 2011 , 56, 558-563	3.4	2
23	Identification of a class of HCV inhibitors directed against the nonstructural protein NS4B. <i>Science Translational Medicine</i> , 2010 , 2, 15ra6	17.5	49
22	Problem Based Learning: A review of the monitoring and assessment model 2010 ,		3
21	Intranasal administration of recombinant human cartilage glycoprotein-39 as a treatment for rheumatoid arthritis: a phase II, multicentre, double-blind, randomised, placebo-controlled, parallel-group, dose-finding trial. <i>Annals of the Rheumatic Diseases</i> , 2010 , 69, 1655-9	2.4	5
20	Impaired human hippocampal neurogenesis after treatment for central nervous system malignancies. <i>Annals of Neurology</i> , 2007 , 62, 515-20	9.4	219
19	Loss of Emi1-dependent anaphase-promoting complex/cyclosome inhibition deregulates E2F target expression and elicits DNA damage-induced senescence. <i>Molecular and Cellular Biology</i> , 2007 , 27, 7955-65	4.8	28
18	Immunohistochemical staining of papillary breast lesions. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2007 , 15, 145-53	1.9	12
17	Histological Processing of pH-Sensitive Hydrogels Used in Corneal Implant Applications. <i>Journal of Histotechnology</i> , 2007 , 30, 157-163	1.3	8

16	Oncogenic regulators and substrates of the anaphase promoting complex/cyclosome are frequently overexpressed in malignant tumors. <i>American Journal of Pathology</i> , 2007 , 170, 1793-805	5.8	82
15	Prevention of type 1 diabetes with major histocompatibility complex-compatible and nonmarrow ablative hematopoietic stem cell transplants. <i>Diabetes</i> , 2005 , 54, 1770-9	0.9	19
14	Purified allogeneic hematopoietic stem cell transplantation blocks diabetes pathogenesis in NOD mice. <i>Diabetes</i> , 2003 , 52, 59-68	0.9	104
13	Graft thrombosis in hDA-transgenic pig hearts transplanted into rhesus monkeys. <i>Xenotransplantation</i> , 2003 , 10, 185-6	2.8	2
12	Determinants of glomerular hypofiltration in aging humans. <i>Kidney International</i> , 2003 , 64, 1417-24	9.9	103
11	Molecular heterogeneity in acute renal allograft rejection identified by DNA microarray profiling. <i>New England Journal of Medicine</i> , 2003 , 349, 125-38	59.2	583
10	The pathology of hibernating myocardium. <i>Nuclear Medicine Communications</i> , 2002 , 23, 303-9	1.6	4
9	Purified hematopoietic stem cell grafts induce tolerance to alloantigens and can mediate positive and negative T cell selection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 9555-60	11.5	76
8	Direct isolation of human central nervous system stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 14720-5	11.5	1505
7	Hematopoietic stem cells and lymphoid progenitors express different Ikaros isoforms, and Ikaros is localized to heterochromatin in immature lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 657-62	11.5	151
6	"Quilty" revisited: a 10-year perspective. <i>Human Pathology</i> , 1995 , 26, 547-57	3.7	64
5	Myocyte Hypertrophy in the Transplanted Heart A Morphometric Analysis. <i>Transplantation</i> , 1987 , 43, 839-842	1.8	26
4	Activity of DNA templates during cell division and cell differentiation. <i>Nature</i> , 1974 , 248, 334-5	50.4	22
3	A hospital-based digital computer system for research and clinical applications. <i>International Journal of Engineering Science</i> , 1972 , 10, 1049-1061	5.7	
2	Single neuron activity in the pupillary system. <i>Brain Research</i> , 1970 , 24, 219-34	3.7	37
1	Midbrain single units correlating with pupil response to light. <i>Science</i> , 1968 , 162, 1302-3	33.3	28