

Anna Masek

List of Publications by Year in descending order

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115
papers

5,728
citations

147801
31
h-index

76900
74
g-index

118
all docs

118
docs citations

118
times ranked

6943
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct isolation of human central nervous system stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 14720-14725.	7.1	1,651
2	Molecular Heterogeneity in Acute Renal Allograft Rejection Identified by DNA Microarray Profiling. New England Journal of Medicine, 2003, 349, 125-138.	27.0	673
3	Hedgehog-responsive candidate cell of origin for diffuse intrinsic pontine glioma. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4453-4458.	7.1	262
4	Impaired human hippocampal neurogenesis after treatment for central nervous system malignancies. Annals of Neurology, 2007, 62, 515-520.	5.3	261
5	Hematopoietic stem cells and lymphoid progenitors express different Ikaros isoforms, and Ikaros is localized to heterochromatin in immature lymphocytes. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 657-662.	7.1	168
6	Polymer-based sensors: A review. Polymer Testing, 2018, 67, 342-348.	4.8	137
7	Determinants of glomerular hypofiltration in aging humans. Kidney International, 2003, 64, 1417-1424.	5.2	129
8	Purified Allogeneic Hematopoietic Stem Cell Transplantation Blocks Diabetes Pathogenesis in NOD Mice. Diabetes, 2003, 52, 59-68.	0.6	129
9	IR Study on Cellulose with the Varied Moisture Contents: Insight into the Supramolecular Structure. Materials, 2020, 13, 4573.	2.9	104
10	Oncogenic Regulators and Substrates of the Anaphase Promoting Complex/Cyclosome Are Frequently Overexpressed in Malignant Tumors. American Journal of Pathology, 2007, 170, 1793-1805.	3.8	92
11	Lifetime Prediction Methods for Degradable Polymeric Materialsâ€”A Short Review. Materials, 2020, 13, 4507.	2.9	87
12	Purified hematopoietic stem cell grafts induce tolerance to alloantigens and can mediate positive and negative T cell selection. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 9555-9560.	7.1	84
13	Characteristics of curcumin using cyclic voltammetry, UVâ€”vis, fluorescence and thermogravimetric analysis. Electrochimica Acta, 2013, 107, 441-447.	5.2	82
14	Electrooxidation of flavonoids at platinum electrode studied by cyclic voltammetry. Food Chemistry, 2011, 127, 699-704.	8.2	79
15	The application of natural food colorants as indicator substances in intelligent biodegradable packaging materials. Food and Chemical Toxicology, 2020, 135, 110975.	3.6	78
16	Characteristics of compounds in hops using cyclic voltammetry, UVâ€”VIS, FTIR and GCâ€”MS analysis. Food Chemistry, 2014, 156, 353-361.	8.2	74
17	â€œQuiltyâ€”revisited: A 10-year perspective. Human Pathology, 1995, 26, 547-557.	2.0	72
18	Electrooxidation of morin hydrate at a Pt electrode studied by cyclic voltammetry. Food Chemistry, 2014, 148, 18-23.	8.2	70

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19	Saccharomyces Cerevisiae Cell Wall Components as Tools for Ochratoxin A Decontamination. Toxins, 2015, 7, 1151-1162.	3.4	62
20	Cellulose Fibers Hydrophobization via a Hybrid Chemical Modification. Polymers, 2019, 11, 1174.	4.5	54
21	Identification of a Class of HCV Inhibitors Directed Against the Nonstructural Protein NS4B. Science Translational Medicine, 2010, 2, 15ra6.	12.4	52
22	Determination of Antioxidant Activity of Caffeic Acid and -Coumaric Acid by Using Electrochemical and Spectrophotometric Assays. International Journal of Electrochemical Science, 2016, 11, 10644-10658.	1.3	52
23	Green Copolymers Based on Poly(Lactic Acid)â€™Short Review. Materials, 2021, 14, 5254.	2.9	49
24	The potential of quercetin as an effective natural antioxidant and indicator for packaging materials. Food Packaging and Shelf Life, 2018, 16, 51-58.	7.5	46
25	Influence of hydroxyl substitution on flavanone antioxidants properties. Food Chemistry, 2017, 215, 501-507.	8.2	42
26	Single neuron activity in the pupillary system. Brain Research, 1970, 24, 219-234.	2.2	39
27	Antioxidant and Antiradical Properties of Green Tea Extract Compounds. International Journal of Electrochemical Science, 2017, 12, 6600-6610.	1.3	38
28	Flavonoids as Natural Stabilizers and Color Indicators of Ageing for Polymeric Materials. Polymers, 2015, 7, 1125-1144.	4.5	37
29	Loss of Emi1-Dependent Anaphase-Promoting Complex/Cyclosome Inhibition Deregulates E2F Target Expression and Elicits DNA Damage-Induced Senescence. Molecular and Cellular Biology, 2007, 27, 7955-7965.	2.3	36
30	Myocyte Hypertrophy in the Transplanted Heart A Morphometric Analysis. Transplantation, 1987, 43, 839-842.	1.0	32
31	Structureâ€™Activity Relationships Analysis of Monomeric and Polymeric Polyphenols (Quercetin, Rutin) Tj ETQq1 1 0.784314 rgBT /Over e1900426.	2.1	32
32	Midbrain Single Units Correlating with Pupil Response to Light. Science, 1968, 162, 1302-1303.	12.6	30
33	The Effect of Substances of Plant Origin on the Thermal and Thermo-Oxidative Ageing of Aliphatic Polyesters (PLA, PHA). Polymers, 2018, 10, 1252.	4.5	30
34	Cellulose Modification for Improved Compatibility with the Polymer Matrix: Mechanical Characterization of the Composite Material. Materials, 2020, 13, 5519.	2.9	27
35	Prevention of Type 1 Diabetes with Major Histocompatibility Complex-Compatible and Nonmarrow Ablative Hematopoietic Stem Cell Transplants. Diabetes, 2005, 54, 1770-1779.	0.6	26
36	Cellulose structure and property changes indicated via wetting-drying cycles. Polymer Degradation and Stability, 2019, 167, 33-43.	5.8	26

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37	Activity of DNA templates during cell division and cell differentiation. <i>Nature</i> , 1974, 248, 334-335.	27.8	25
38	Effect of Impregnation of Biodegradable Polyesters with Polyphenols from <i>Cistus Linnaeus</i> and <i>Juglans regia Linnaeus</i> Walnut Green Husk. <i>Polymers</i> , 2019, 11, 669.	4.5	25
39	Characterisation of the antioxidant activity of riboflavin in an elastomeric composite. <i>Comptes Rendus Chimie</i> , 2012, 15, 524-529.	0.5	24
40	Antioxidant Properties of Green Coffee Extract. <i>Forests</i> , 2020, 11, 557.	2.1	23
41	Thermal Behavior of Green Cellulose-Filled Thermoplastic Elastomer Polymer Blends. <i>Molecules</i> , 2020, 25, 1279.	3.8	23
42	The Application of (+)-Catechin and Polydatin as Functional Additives for Biodegradable Polyesters. <i>International Journal of Molecular Sciences</i> , 2020, 21, 414.	4.1	23
43	Application of Fluids in Supercritical Conditions in the Polymer Industry. <i>Polymers</i> , 2021, 13, 729.	4.5	22
44	Natural Polymeric Compound Based on High Thermal Stability Catechin from Green Tea. <i>Biomolecules</i> , 2020, 10, 1191.	4.0	21
45	Processability and Mechanical Properties of Thermoplastic Polylactide/Polyhydroxybutyrate (PLA/PHB) Bioblends. <i>Materials</i> , 2021, 14, 898.	2.9	21
46	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.	0.5	20
47	Biocomposites of Epoxidized Natural Rubber/Poly(lactic acid) Modified with Natural Fillers (Part I). <i>International Journal of Molecular Sciences</i> , 2021, 22, 3150.	4.1	20
48	Universal approach of cellulose fibres chemical modification result analysis via commonly used techniques. <i>Polymer Bulletin</i> , 2019, 76, 2147-2162.	3.3	18
49	Polyphenolic Profile and Antioxidant Activity of <i>Juglans regia</i> L. Leaves and Husk Extracts. <i>Forests</i> , 2019, 10, 988.	2.1	18
50	Drying of the Natural Fibers as A Solvent-Free Way to Improve the Cellulose-Filled Polymer Composite Performance. <i>Polymers</i> , 2020, 12, 484.	4.5	18
51	Derivatives of flavonoides as anti-ageing substances in elastomers. <i>Comptes Rendus Chimie</i> , 2011, 14, 483-488.	0.5	17
52	Physico-mechanical and thermal properties of epoxidized natural rubber/polylactide (ENR/PLA) composites reinforced with lignocellulose. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 125, 1467-1476.	3.6	17
53	Surface hydrophobisation of lignocellulosic waste for the preparation of biothermoelastoplastic composites. <i>European Polymer Journal</i> , 2019, 118, 481-491.	5.4	17
54	Bio-Based Packaging Materials Containing Substances Derived from Coffee and Tea Plants. <i>Materials</i> , 2020, 13, 5719.	2.9	17

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55	Superiority of Cellulose Non-Solvent Chemical Modification over Solvent-Involving Treatment: Application in Polymer Composite (part II). <i>Materials</i> , 2020, 13, 2901.	2.9	17
56	Visible Light Curing Devices - Irradiance and Use in 302 German Dental Offices. <i>Journal of Adhesive Dentistry</i> , 2018, 20, 41-55.	0.5	17
57	Eco-friendly elastomeric composites containing Sencha and Gun Powder green tea extracts. <i>Comptes Rendus Chimie</i> , 2012, 15, 331-335.	0.5	16
58	ENR/PCL Polymer biocomposites from renewable resources. <i>Comptes Rendus Chimie</i> , 2014, 17, 944-951.	0.5	16
59	Characteristics of juglone (5-hydroxy-1,4-naphthoquinone) using voltammetry and spectrophotometric methods. <i>Food Chemistry</i> , 2019, 301, 125279.	8.2	16
60	Thermal Analysis of Aliphatic Polyester Blends with Natural Antioxidants. <i>Polymers</i> , 2020, 12, 74.	4.5	15
61	Thermally Stable and Antimicrobial Active Poly(Catechin) Obtained by Reaction with a Cross-Linking Agent. <i>Biomolecules</i> , 2021, 11, 50.	4.0	15
62	Immunohistochemical Staining of Papillary Breast Lesions. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2007, 15, 145-153.	1.2	14
63	Biodegradable Polyester Materials Containing Gallates. <i>Polymers</i> , 2020, 12, 677.	4.5	14
64	Novel Polymeric Biomaterial Based on Naringenin. <i>Materials</i> , 2021, 14, 2142.	2.9	14
65	Morin hydrate as pro-ecological antioxidant and pigment for polyolefin polymers. <i>Comptes Rendus Chimie</i> , 2013, 16, 990-996.	0.5	13
66	Characteristics of the Polyphenolic Profile and Antioxidant Activity of Cone Extracts from Conifers Determined Using Electrochemical and Spectrophotometric Methods. <i>Antioxidants</i> , 2021, 10, 1723.	5.1	13
67	Dodecyl gallate as a pro-ecological antioxidant for food packing materials. <i>Comptes Rendus Chimie</i> , 2014, 17, 1116-1127.	0.5	12
68	Electrochemical and Spectrophotometric Characterization of the Propolis Antioxidants Properties. <i>International Journal of Electrochemical Science</i> , 2019, 14, 1231-1247.	1.3	12
69	Innovative cellulose fibres reinforced ethylene-norbornene copolymer composites of an increased degradation potential. <i>Polymer Degradation and Stability</i> , 2019, 159, 174-183.	5.8	11
70	The Effect of Natural Additives on the Composting Properties of Aliphatic Polyesters. <i>Polymers</i> , 2020, 12, 1856.	4.5	11
71	Environmentally Friendly Polymer Compositions with Natural Amber Acid. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1556.	4.1	11
72	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, 1655-1659.	0.9	10

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73	Superiority of Cellulose Non-Solvent Chemical Modification over Solvent-Involving Treatment: Solution for Green Chemistry (Part I). <i>Materials</i> , 2020, 13, 2552.	2.9	10
74	Hemp and Its Derivatives as a Universal Industrial Raw Material (with Particular Emphasis on the) Tj ETQq0 0 0 rgBT./Overlock 10 Tf 50 7	2.9	10
75	Nanoarchitectonics for Biodegradable Superabsorbent Based on Carboxymethyl Starch and Chitosan Cross-Linked with Vanillin. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5386.	4.1	10
76	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, 12, 10994-11005.	1.3	9
77	Influence of a Natural Plant Antioxidant on the Ageing Process of Ethylene-norbornene Copolymer (Topas). <i>International Journal of Molecular Sciences</i> , 2021, 22, 4018.	4.1	9
78	Plant-Origin Stabilizer as an Alternative of Natural Additive to Polymers Used in Packaging Materials. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4012.	4.1	9
79	Histological Processing of pH-Sensitive Hydrogels Used in Corneal Implant Applications. <i>Journal of Histotechnology</i> , 2007, 30, 157-163.	0.5	8
80	Controlled degradation of biocomposites ENR/PCL containing natural antioxidants. <i>Comptes Rendus Chimie</i> , 2014, 17, 1128-1135.	0.5	7
81	Antioxidant Potential of Hydroxycinnamic Acids in Advanced Oxidation Processes. <i>International Journal of Electrochemical Science</i> , 2016, 11, 8848-8860.	1.3	7
82	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, 1677.	4.5	7
83	Generating elements of Supervisory Input Support via Exploratory Factor Analysis for effective supervision in Engineering Education. , 2014, , .		6
84	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> , 0, , 146442071880427.	1.1	6
85	Self-Healable Biocomposites Crosslinked with a Combination of Silica and Quercetin. <i>Materials</i> , 2021, 14, 4028.	2.9	6
86	Problem Based Learning: A review of the monitoring and assessment model. , 2010, , .		5
87	Establishing supervisor-studentsâ€™ relationships through mutual expectation: A study from supervisorsâ€™ point of view. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 226, 012200.	0.6	5
88	Aging Resistance of Biocomposites Crosslinked with Silica and Quercetin. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10894.	4.1	5
89	Comparison of Aging Resistance and Antimicrobial Properties of Ethyleneâ€™Norbornene Copolymer and Poly(Lactic Acid) Impregnated with Phytochemicals Embodied in Thyme (<i>Thymus vulgaris</i>) and Clove (<i>Syzygium aromaticum</i>). <i>International Journal of Molecular Sciences</i> , 2021, 22, 13025.	4.1	5
90	Polymeric Forms of Plant Flavonoids Obtained by Enzymatic Reactions. <i>Molecules</i> , 2022, 27, 3702.	3.8	5

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91	The pathology of hibernating myocardium. Nuclear Medicine Communications, 2002, 23, 303-309.	1.1	4
92	Implementation of vocational training into TVET's teacher program for national core standard. , 2016, , .		4
93	A Comparative Study on the Effect of Virtual Field Trips (VFTs) Through Video Aided Learning (VAL) and Traditional Learning Approaches on Students Knowledge Acquisition. Advanced Science Letters, 2016, 22, 4036-4039.	0.2	4
94	The effect of Problem Based Learning on students' intrinsic motivation in the polytechnic's electrical engineering course. , 2011, , .		3
95	The relationship between student's characteristic and effective supervision: The case of industrial-based project. , 2017, , .		3
96	Influence of flavanone on the stabilization of ethylene-propylene elastomer. Polimery, 2011, 56, 558-563.	0.7	3
97	Characterization of the UV-aging and antimicrobial resistance of cellulose / ethylene-norbornene composites. Carbohydrate Polymers, 2022, 289, 119459.	10.2	3
98	Accelerated Aging of Epoxy Biocomposites Filled with Cellulose. Materials, 2022, 15, 3256.	2.9	3
99	Letter to the Editor. Xenotransplantation, 2003, 10, 185-186.	2.8	2
100	Polymer materials with controlled degradation time. E3S Web of Conferences, 2018, 44, 00122.	0.5	2
101	Natural Antioxidants as Multifunctional Additives for Polymeric Materials. Fibres and Textiles in Eastern Europe, 2020, 28, 37-43.	0.5	2
102	Investigating the Roles of Supervisory Working Alliance as Mediator for Overall Supervision Effective Using Structural Equation Modeling. Advanced Science Letters, 2015, 21, 1221-1224.	0.2	2
103	Electron Microscopic Analysis of Lymph Node Cellular Activity in Hodgkin's Disease<xref ref-type="fn" rid="FN2">2</xref>. Journal of the National Cancer Institute, 0, , .	6.3	1
104	The characteristics of collaborative portfolio assessment learning system as a tools in school based assessment environment. , 2017, , .		1
105	International Research and Innovation Summit (IRIS2017). IOP Conference Series: Materials Science and Engineering, 2017, 226, 011001.	0.6	1
106	Teacher Pedagogical Constructs Based on Model 21st Century Learning For Theoretical Subject Delivery In School. Journal of Physics: Conference Series, 2018, 1049, 012051.	0.4	1
107	Novel Hybrid Polymer Composites Based on Anthraquinone and Eco-Friendly Dyes with Potential for Use in Intelligent Packaging Materials. International Journal of Molecular Sciences, 2021, 22, 12524.	4.1	1
108	Natural Phenolic Compounds as Modifiers for Epoxidized Natural Rubber/Silica Hybrids. Molecules, 2022, 27, 2214.	3.8	1

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109	A hospital-based digital computer system for research and clinical applications. International Journal of Engineering Science, 1972, 10, 1049-1061.	5.0	0
110	Nurturing personal skills development: Model of monitoring and assessment of student centred learning. , 2009, , .		0
111	A comparative study of problem based learning (PBL) on students' intrinsic motivation in polytechnic. , 2016, , .		0
112	Exploring the Elements of Integrity in Peer Assessment. MATEC Web of Conferences, 2018, 150, 05002.	0.2	0
113	Preliminary Study: Self-Regulated Learning Procedure. MATEC Web of Conferences, 2018, 150, 05008.	0.2	0
114	Pro-ecological packaging materials based on polyhydroxybutyrate (PHB). E3S Web of Conferences, 2018, 44, 00092.	0.5	0
115	Polymeric Flavonoids Obtained by Cross-Linking Reaction. , 2020, 69, .		0