

Karol Wolski

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

709
citations

567281

15
h-index

642732

23
g-index

54
all docs

54
docs citations

54
times ranked

827
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic activity enhancement in pillared zeolites produced from exfoliated MWW monolayers in solution. <i>Catalysis Today</i> , 2022, 390-391, 272-280.	4.4	5
2	Topogami: Topologically Linked DNA Origami. <i>ACS Nanoscience Au</i> , 2022, 2, 57-63.	4.8	3
3	A New Protocol for Ash Wood Modification: Synthesis of Hydrophobic and Antibacterial Brushes from the Wood Surface. <i>Molecules</i> , 2022, 27, 890.	3.8	9
4	A new opportunity for the preparation of PEEK-based bone implant materials: From SARA ATRP to photo-ATRP. <i>Polymer</i> , 2022, 242, 124587.	3.8	10
5	Working electrode geometry effect: A new concept for fabrication of patterned polymer brushes via SI-seATRP at ambient conditions. <i>Polymer</i> , 2022, 255, 125098.	3.8	11
6	Color assessment of selected lawn grass mixtures. <i>Grassland Science</i> , 2021, 67, 198-206.	1.1	2
7	Chiral 3D DNA origami structures for ordered heterologous arrays. <i>Nanoscale Advances</i> , 2021, 3, 4685-4691.	4.6	1
8	Dual-purpose surface functionalization of Ti-6Al-7Nb involving oxygen plasma treatment and Si-DLC or chitosan-based coatings. <i>Materials Science and Engineering C</i> , 2021, 121, 111848.	7.3	7
9	Double-stranded surface-grafted polymer brushes with ladder-like architecture. <i>European Polymer Journal</i> , 2021, 155, 110577.	5.4	12
10	Effect of Amino Acids and Effective Microorganisms on Meadow Silage Chemical Composition. <i>Agronomy</i> , 2021, 11, 1198.	3.0	5
11	Exfoliated Ferrierite-Related Unilamellar Nanosheets in Solution and Their Use for Preparation of Mixed Zeolite Hierarchical Structures. <i>Journal of the American Chemical Society</i> , 2021, 143, 11052-11062.	13.7	18
12	Hydrophobic modification of fir wood surface via low ppm ATRP strategy. <i>Polymer</i> , 2021, 228, 123942.	3.8	13
13	Following principles of green chemistry: Low ppm photo-ATRP of DMAEMA in water/ethanol mixture. <i>Polymer</i> , 2021, 228, 123905.	3.8	20
14	Macromolecular strategies for transporting electrons and excitation energy in ordered polymer layers. <i>Progress in Polymer Science</i> , 2021, 121, 101433.	24.7	16
15	Effects of a Plasma Water and Biostimulant on Lawn Functional Value. <i>Agronomy</i> , 2021, 11, 254.	3.0	6
16	Durable Polyelectrolyte Microcapsules with Near-Infrared-Triggered Loading and Nondestructive Release of Cargo. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1562-1572.	8.0	11
17	The influence of the grass mixture composition on the quality and suitability for football pitches. <i>Scientific Reports</i> , 2021, 11, 20592.	3.3	3
18	Effect of Amino Acid and Titanium Foliar Application on Smooth-Stalked Meadow Grass (<i>Poa pratensis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.5	1

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19	Preparation of Homopolymer, Block Copolymer, and Patterned Brushes Bearing Thiophene and Acetylene Groups Using Microliter Volumes of Reaction Mixtures. <i>Polymers</i> , 2021, 13, 4458.	4.5	4
20	Unraveling the nanomechanical properties of surface-grafted conjugated polymer brushes with ladder-like architecture. <i>Polymer Chemistry</i> , 2020, 11, 7050-7062.	3.9	14
21	Riboflavin-induced metal-free ATRP of (meth)acrylates. <i>European Polymer Journal</i> , 2020, 140, 110055.	5.4	30
22	Comparison of the Yield and Chemical Composition of Eleven Timothy (<i>Phleum pratense</i> L.) Genotypes under Three Locations in Poland. <i>Agronomy</i> , 2020, 10, 1743.	3.0	5
23	Surface-Initiated Photoinduced Iron-Catalyzed Atom Transfer Radical Polymerization with ppm Concentration of FeBr ₃ under Visible Light. <i>Materials</i> , 2020, 13, 5139.	2.9	13
24	Polymer Brushes via Surface-Initiated Electrochemically Mediated ATRP: Role of a Sacrificial Initiator in Polymerization of Acrylates on Silicon Substrates. <i>Materials</i> , 2020, 13, 3559.	2.9	15
25	Effect of a Micronutrient Fertilizer and Fungicide on the Germination of Perennial Ryegrass Seeds (<i>Lolium perenne</i> L.) in Field Conditions. <i>Agronomy</i> , 2020, 10, 1978.	3.0	1
26	Growth of Lactic Acid Bacteria on Gold—Influence of Surface Roughness and Chemical Composition. <i>Nanomaterials</i> , 2020, 10, 2499.	4.1	4
27	The Effect of Foliar Application of an Amino Acid-Based Biostimulant on Lawn Functional Value. <i>Agronomy</i> , 2020, 10, 1656.	3.0	11
28	Pioglitazone-Loaded Nanostructured Hybrid Material for Skin Ulcer Treatment. <i>Materials</i> , 2020, 13, 2050.	2.9	11
29	Liquid dispersions of zeolite monolayers with high catalytic activity prepared by soft-chemical exfoliation. <i>Science Advances</i> , 2020, 6, eaay8163.	10.3	37
30	Synthesis of high molecular weight poly(n-butyl acrylate) macromolecules via seATRP: From polymer stars to molecular bottlebrushes. <i>European Polymer Journal</i> , 2020, 126, 109566.	5.4	25
31	Thermoresponsive Polymer Gating System on Mesoporous Shells of Silica Particles Serving as Smart Nanocontainers. <i>Polymers</i> , 2020, 12, 888.	4.5	13
32	Dexamethasone-containing bioactive dressing for possible application in post-operative keloid therapy. <i>Cellulose</i> , 2019, 26, 1895-1908.	4.9	8
33	Tannic Acid-Inspired Star-Like Macromolecules via Temporally Controlled Multi-Step Potential Electrolysis. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900073.	2.2	26
34	Biostimulants and possibilities of their usage in grassland. <i>Grassland Science</i> , 2019, 65, 205-209.	1.1	6
35	Polymer brushes grafted from nanostructured zinc oxide layers – Spatially controlled decoration of nanorods. <i>European Polymer Journal</i> , 2019, 112, 186-194.	5.4	8
36	Enhancement of the growth of polymer brushes via ATRP initiated from ions-releasing indium tin oxide substrates. <i>European Polymer Journal</i> , 2019, 112, 817-821.	5.4	12

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37	Novel bioelectrodes based on polysaccharide modified gold surfaces and electrochemically active Lactobacillus rhamnosus GG biofilms. <i>Electrochimica Acta</i> , 2019, 296, 999-1008.	5.2	12
38	Anionic Polymer Brushes for Biomimetic Calcium Phosphate Mineralizationâ€”A Surface with Application Potential in Biomaterials. <i>Polymers</i> , 2018, 10, 1165.	4.5	12
39	Fabrication of Functional Carbon/Magnetic Nanocomposites as A Promising Model of Utilization of Used Crosslinked Polymers. <i>Materials</i> , 2018, 11, 2595.	2.9	5
40	Effect of silicon foliar application on the functional value of lawns . <i>Journal of Elementology</i> , 2018, 2, 0-2	0.2	2
41	Grafting of thermosensitive poly(N-isopropylacrylamide) from wet bacterial cellulose sheets to improve its swelling-drying ability. <i>Cellulose</i> , 2017, 24, 285-293.	4.9	40
42	Photoactive Surfaceâ€”Grafted Polymer Brushes with Phthalocyanine Bridging Groups as an Advanced Architecture for Lightâ€”Harvesting. <i>Chemistry - A European Journal</i> , 2017, 23, 11239-11243.	3.3	11
43	Biopolymeric nano/microspheres for selective and reversible adsorption of coronaviruses. <i>Materials Science and Engineering C</i> , 2017, 76, 735-742.	7.3	51
44	The grafting density and thickness of polythiophene-based brushes determine the orientation, conjugation length and stability of the grafted chains. <i>Polymer Chemistry</i> , 2017, 8, 6250-6262.	3.9	28
45	Modified bionanocellulose for bioactive wound-healing dressing. <i>European Polymer Journal</i> , 2017, 96, 200-209.	5.4	23
46	Effect of functional groups on the thermal degradation of phosphorus- and phosphorus/nitrogen-containing functional polymers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 799-812.	3.6	18
47	Assessment of Changes in Sod Under Intensive Use. <i>Agricultural Engineering</i> , 2017, 21, 5-15.	0.8	0
48	Tailored conditions for controlled and fast growth of surface-grafted PNIPAM brushes. <i>Polymer</i> , 2016, 97, 380-386.	3.8	8
49	Enhanced stability of conductive polyacetylene in ladder-like surface-grafted brushes. <i>Polymer Chemistry</i> , 2016, 7, 5664-5670.	3.9	20
50	BONITATION ANALYSIS OF TURF ON CITY STADIUM IN WROCLAW IN THE SEASON OF EURO 2012. <i>Journal of Ecological Engineering</i> , 2016, 17, 311-320.	1.1	3
51	TDR Technique for Estimating the Intensity of Evapotranspiration of Turfgrasses. <i>Scientific World Journal</i> , The, 2015, 2015, 1-11.	2.1	5
52	Ordered photo- and electroactive thin polymer layers. <i>European Polymer Journal</i> , 2015, 65, 155-170.	5.4	19
53	Conductive polythiophene-based brushes grafted from an ITO surface via a self-templating approach. <i>Polymer Chemistry</i> , 2015, 6, 7505-7513.	3.9	19
54	A facile route to electronically conductive polyelectrolyte brushes as platforms of molecular wires. <i>Chemical Science</i> , 2015, 6, 1754-1760.	7.4	37