

Vlasta Sasinkova

List of Publications by Year in descending order

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53
papers

2,707
citations

361045

20
h-index

264894

42
g-index

54
all docs

54
docs citations

54
times ranked

4268
citing authors

#	ARTICLE	IF	CITATIONS
1	FT-IR study of plant cell wall model compounds: pectic polysaccharides and hemicelluloses. <i>Carbohydrate Polymers</i> , 2000, 43, 195-203.	5.1	1,363
2	Electrochemical performance of Ti ₃ C ₂ T _x MXene in aqueous media: towards ultrasensitive H ₂ O ₂ sensing. <i>Electrochimica Acta</i> , 2017, 235, 471-479.	2.6	215
3	Antioxidative and antimutagenic activity of yeast cell wall mannans in vitro. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001, 497, 213-222.	0.9	96
4	Thermal destruction of soil water repellency and associated changes to soil organic matter as observed by FTIR spectroscopy. <i>Catena</i> , 2008, 74, 205-211.	2.2	76
5	Biosorption of Cadmium Ions by Different Yeast Species. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2002, 57, 634-639.	0.6	72
6	Microdiamond discovered in the Seve Nappe (Scandinavian Caledonides) and its exhumation by the "vacuum-cleaner" mechanism. <i>Geology</i> , 2014, 42, 1107-1110.	2.0	70
7	Influence of the drying method on the physical properties and immunomodulatory activity of the particulate (1 \rightarrow 3)- β -D-glucan from <i>Saccharomyces cerevisiae</i> . <i>Carbohydrate Polymers</i> , 2003, 51, 9-15.	5.1	69
8	Degradation of hyaluronan by ultrasonication in comparison to microwave and conventional heating. <i>Carbohydrate Polymers</i> , 2005, 61, 420-426.	5.1	59
9	Diamond in metasedimentary crustal rocks from Pohorje, Eastern Alps: a window to deep continental subduction. <i>Journal of Metamorphic Geology</i> , 2015, 33, 495-512.	1.6	55
10	Microdiamond on Å...reskutan confirms regional UHP metamorphism in the Seve Nappe Complex of the Scandinavian Caledonides. <i>Journal of Metamorphic Geology</i> , 2017, 35, 541-564.	1.6	54
11	Influence of tiopronin, captopril and levamisole therapeutics on the oxidative degradation of hyaluronan. <i>Carbohydrate Polymers</i> , 2015, 134, 516-523.	5.1	52
12	Hydrogen peroxide generation by the Weissberger biogenic oxidative system during hyaluronan degradation. <i>Carbohydrate Polymers</i> , 2016, 148, 189-193.	5.1	52
13	Characterization of immunomodulatory polysaccharides from <i>Salvia officinalis</i> L.. <i>International Journal of Biological Macromolecules</i> , 2003, 33, 113-119.	3.6	51
14	Carboxymethyl Starch Octenylsuccinate: Microwave- and Ultrasound-Assisted Synthesis and Properties. <i>Starch/Staerke</i> , 2008, 60, 389-397.	1.1	42
15	Effects of extraction condition on structural features and anticoagulant activity of <i>F. vesca</i> L. conjugates. <i>Carbohydrate Polymers</i> , 2013, 92, 741-750.	5.1	42
16	Antioxidant and antimutagenic activity of mannan neoglycoconjugates: Mannan-human serum albumine and mannan-penicillin G acylase. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2006, 606, 72-79.	0.9	40
17	A tertiary amine in two competitive processes: reduction of graphene oxide vs. catalysis of atom transfer radical polymerization. <i>RSC Advances</i> , 2015, 5, 3370-3376.	1.7	32
18	Unexplored capabilities of chemiluminescence and thermoanalytical methods in characterization of intact and degraded hyaluronans. <i>Polymer Degradation and Stability</i> , 2006, 91, 3174-3184.	2.7	30

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19	Microwave-assisted synthesis of carboxymethylcellulose " based polymeric surfactants. <i>Polymer Bulletin</i> , 2008, 60, 15-25.	1.7	25
20	Triassic to Early Jurassic (200 Ma) UHP metamorphism in the Central Rhodopes: evidence from U-Pb-Th dating of monazite in diamond-bearing gneiss from Chepelare (Bulgaria). <i>Journal of Metamorphic Geology</i> , 2016, 34, 265-291.	1.6	22
21	Cyclodextrin derivative of hyaluronan. <i>Carbohydrate Polymers</i> , 1999, 39, 17-24.	5.1	19
22	Effect of Salt Stress on the Production and Properties of Extracellular Polysaccharides Produced by <i>Cryptococcus laurentii</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2005, 60, 444-450.	0.6	19
23	High-molar-mass hyaluronan degradation by Weissberger's system: Pro- and anti-oxidative effects of some thiol compounds. <i>Polymer Degradation and Stability</i> , 2009, 94, 1867-1875.	2.7	19
24	Degradation of high-molar-mass hyaluronan by an oxidative system comprising ascorbate, Cu(II), and hydrogen peroxide: Inhibitory action of antiinflammatory drugs Naproxen and acetylsalicylic acid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 44, 1056-1063.	1.4	14
25	The effect of neutron irradiation on the properties of SiC and SiC(N) layer prepared by plasma enhanced chemical vapor deposition. <i>Applied Surface Science</i> , 2013, 269, 88-91.	3.1	12
26	In-situ surface-enhanced Raman scattering and FT-Raman spectroscopy of black prints. <i>Vibrational Spectroscopy</i> , 2018, 94, 16-21.	1.2	12
27	Polyglobalide-Based Porous Networks Containing Poly(ethylene glycol) Structures Prepared by Photoinitiated Thiol-Ene Coupling. <i>Biomacromolecules</i> , 2018, 19, 3331-3342.	2.6	12
28	9-Isothiocyanatoanthracene as a Versatile Starting Compound in the Chemistry of Anthracen-9-yl Derivatives. <i>Collection of Czechoslovak Chemical Communications</i> , 2002, 67, 665-678.	1.0	11
29	Structure and properties of water-soluble p-carboxybenzyl polysaccharide derivatives. <i>Journal of Applied Polymer Science</i> , 2000, 78, 1191-1199.	1.3	10
30	Surface-active and associative properties of ionic polymeric surfactants based on carboxymethylcellulose. <i>Polymer Engineering and Science</i> , 2011, 51, 1476-1483.	1.5	8
31	A Structural Analysis of the Angucycline-Like Antibiotic Auricin from <i>Streptomyces lavendulae</i> Subsp. <i>Lavendulae</i> CCM 3239 Revealed Its High Similarity to Griseusins. <i>Antibiotics</i> , 2019, 8, 102.	1.5	7
32	Monazite behaviour during metamorphic evolution of a diamond-bearing gneiss: a case study from the Seve Nappe Complex, Scandinavian Caledonides. <i>Journal of Petrology</i> , 0, , .	1.1	7
33	Polymeric Surfactants from Beechwood Glucuronoxylan. <i>Tenside, Surfactants, Detergents</i> , 2006, 43, 137-141.	0.5	7
34	Preparation of ion-exchangers by cross-linking of starch or polygalacturonic acid with 1,3-bis(3-chloro-2-hydroxypropyl)imidazolium hydrogen sulphate. <i>Carbohydrate Polymers</i> , 2002, 47, 131-136.	5.1	6
35	Structural characterisation of thiol-modified hyaluronans. <i>Cellulose</i> , 2012, 19, 2093-2104.	2.4	6
36	Light-Responsive Hybrids Based on Carbon Nanotubes with Covalently Attached PHEMA-g-PCL Brushes. <i>Macromolecules</i> , 2021, 54, 2412-2426.	2.2	6

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37	Transmission photocathodes based on stainless steel mesh coated with deuterated diamond like carbon films. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 753, 14-18.	0.7	4
38	FTIR spectroscopy of silicon carbide thin films prepared by PECVD technology for solar cell application. Proceedings of SPIE, 2015, , .	0.8	3
39	Crystal Structure, Infrared Spectra and DFT Study of Benzyl 2,3-Anhydro- β -D-Ribopyranoside. Journal of Chemical Crystallography, 2011, 41, 167-174.	0.5	2
40	Raman spectroscopy study of SiC thin films prepared by PECVD for solar cell working in hard environment. Proceedings of SPIE, 2015, , .	0.8	2
41	Very thin N-doped nanostructured carbon films on quartz and sapphire substrate: Photoelectron emission properties. Thin Solid Films, 2020, 709, 138200.	0.8	2
42	HWCVD of B-doped silicon carbide thin films for SHJ solar cell technology. Integrated Ferroelectrics, 2017, 184, 23-31.	0.3	1
43	O-(2-Hydroxyethyl)cellulose-derived Surfactants Prepared by Microwave-assisted Transesterification. Tenside, Surfactants, Detergents, 2009, 46, 163-168.	0.5	1
44	Aliphatic 1,2-alkanolamines – Inhibitors of α -glucanase from <i>Candida utilis</i> . Folia Microbiologica, 1993, 38, 392-394.	1.1	0
45	Radiation hardness investigation of PECVD silicon carbide layers for PV applications. , 2014, , .		0
46	Silicon carbide thin films deposited by PECVD technology for applications in photoelectrochemical water splitting devices. , 2016, , .		0
47	Photo-Induced Electron Emission Properties of N-Doped Carbon-Based Very Thin Films. , 2018, , .		0
48	Reactive magnetron sputtering of N-doped carbon thin films on quartz glass for transmission photocathode applications. Journal of Physics: Conference Series, 2018, 992, 012031.	0.3	0
49	Natural Resources and Waste Products in Aquatic Media Remediation and Diclofenac Uptake. Current Green Chemistry, 2018, 5, 114-121.	0.7	0
50	Aluminium powder as a reactive template for preparation of carbon flakes from CCl ₄ . Chemical Papers, 2020, 74, 4599-4607.	1.0	0
51	Very thin carbon-based films for transmissive photocathodes. Journal of Physics: Conference Series, 2020, 1492, 012034.	0.3	0
52	Synthesis, Characterization and Anti-redeposition Properties of Sulfoethyl Locust Bean Gum – Interaction with Laundry Detergent Enzymes. Tenside, Surfactants, Detergents, 2012, 49, 156-160.	0.5	0
53	THE EFFECT OF Xe ION AND NEUTRON IRRADIATION ON THE PROPERTIES OF SiC AND SiC(N) FILMS PREPARED BY PECVD TECHNOLOGY. RAD Association Journal, 0, , .	0.0	0