

Vlasta Sasinkova

List of Publications by Year in descending order

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53

papers

2,707

citations

361413

20

h-index

265206

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.	10.2	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.	5.2	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.	1.7	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.	5.0	76
5	Biosorption of Cadmium Ions by Different Yeast Species. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2002, 57, 634-639.	1.4	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.	4.4	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.	10.2	69
8	Degradation of hyaluronan by ultrasonication in comparison to microwave and conventional heating. <i>Carbohydrate Polymers</i> , 2005, 61, 420-426.	10.2	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.	3.4	55
10	Microdiamond on Åreskutan confirms regional UHP metamorphism in the Seve Nappe Complex of the Scandinavian Caledonides. <i>Journal of Metamorphic Geology</i> , 2017, 35, 541-564.	3.4	54
11	Influence of tiopronin, captopril and levamisole therapeutics on the oxidative degradation of hyaluronan. <i>Carbohydrate Polymers</i> , 2015, 134, 516-523.	10.2	52
12	Hydrogen peroxide generation by the Weissberger biogenic oxidative system during hyaluronan degradation. <i>Carbohydrate Polymers</i> , 2016, 148, 189-193.	10.2	52
13	Characterization of immunomodulatory polysaccharides from <i>Salvia officinalis</i> L.. <i>International Journal of Biological Macromolecules</i> , 2003, 33, 113-119.	7.5	51
14	Carboxymethyl Starch Octenylsuccinate: Microwave- and Ultrasound-Assisted Synthesis and Properties. <i>Starch/Stärke</i> , 2008, 60, 389-397.	2.1	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.	10.2	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.	1.7	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.	3.6	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.	5.8	30

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19	Microwave-assisted synthesis of carboxymethylcellulose â€‘ based polymeric surfactants. Polymer Bulletin, 2008, 60, 15-25.	3.3	25
20	Triassic to Early Jurassic (<i>c</i> .Â200ÂMa) <scp>UHP</scp> metamorphism in the Central Rhodopes: evidence from Uâ€‘Pbâ€‘Th dating of monazite in diamondâ€‘bearing gneiss from Chepelare (Bulgaria). Journal of Metamorphic Geology, 2016, 34, 265-291.	3.4	22
21	Cyclodextrin derivative of hyaluronan. Carbohydrate Polymers, 1999, 39, 17-24.	10.2	19
22	Effect of Salt Stress on the Production and Properties of Extracellular Polysaccharides Produced by <i>Cryptococcus laurentii</i> . Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2005, 60, 444-450.	1.4	19
23	High-molar-mass hyaluronan degradation by Weissberger's system: Pro- and anti-oxidative effects of some thiol compounds. Polymer Degradation and Stability, 2009, 94, 1867-1875.	5.8	19
24	Degradation of high-molar-mass hyaluronan by an oxidative system comprising ascorbate, Cu(II), and hydrogen peroxide: Inhibitory action of antiinflammatory drugsâ€‘Naproxen and acetylsalicylic acid. Journal of Pharmaceutical and Biomedical Analysis, 2007, 44, 1056-1063.	2.8	14
25	The effect of neutron irradiation on the properties of SiC and SiC(N) layer prepared by plasma enhanced chemical vapor deposition. Applied Surface Science, 2013, 269, 88-91.	6.1	12
26	In-situ surface-enhanced Raman scattering and FT-Raman spectroscopy of black prints. Vibrational Spectroscopy, 2018, 94, 16-21.	2.2	12
27	Polyglobalide-Based Porous Networks Containing Poly(ethylene glycol) Structures Prepared by Photoinitiated Thiolâ€‘Ene Coupling. Biomacromolecules, 2018, 19, 3331-3342.	5.4	12
28	9-Isothiocyanatoanthracene as a Versatile Starting Compound in the Chemistry of Anthracen-9-yl Derivatives. Collection of Czechoslovak Chemical Communications, 2002, 67, 665-678.	1.0	11
29	Structure and properties of water-solublep-carboxybenzyl polysaccharide derivatives. Journal of Applied Polymer Science, 2000, 78, 1191-1199.	2.6	10
30	Surfaceâ€‘active and associative properties of ionic polymeric surfactants based on carboxymethylcellulose. Polymer Engineering and Science, 2011, 51, 1476-1483.	3.1	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. Antibiotics, 2019, 8, 102.	3.7	7
32	Monazite behaviour during metamorphic evolution of a diamond-bearing gneiss: a case study from the Seve Nappe Complex, Scandinavian Caledonides. Journal of Petrology, 0, , .	2.8	7
33	Polymeric Surfactants from Beechwood Glucuronoxylan. Tenside, Surfactants, Detergents, 2006, 43, 137-141.	1.2	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. Carbohydrate Polymers, 2002, 47, 131-136.	10.2	6
35	Structural characterisation of thiol-modified hyaluronans. Cellulose, 2012, 19, 2093-2104.	4.9	6
36	Light-Responsive Hybrids Based on Carbon Nanotubes with Covalently Attached PHEMA-<i>g</i>-PCL Brushes. Macromolecules, 2021, 54, 2412-2426.	4.8	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.	1.6	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-Î²-d-Ribopyranoside. Journal of Chemical Crystallography, 2011, 41, 167-174.	1.1	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.	1.8	2
42	HWCVD of B-doped silicon carbide thin films for SHJ solar cell technology. Integrated Ferroelectrics, 2017, 184, 23-31.	0.7	1
43	O-(2-Hydroxyethyl)celluloseâ€‘derived Surfactants Prepared by Microwaveâ€‘assisted Transesterification. Tenside, Surfactants, Detergents, 2009, 46, 163-168.	1.2	1
44	Aliphatic 1,2-alkanolamines â€‘Inhibitors off ² -glucanase fromCandida utilis. Folia Microbiologica, 1993, 38, 392-394.	2.3	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.	0.4	0
49	Natural Resources and Waste Products in Aquatic Media Remediation and Diclofenac Uptake. Current Green Chemistry, 2018, 5, 114-121.	1.1	0
50	Aluminium powder as a reactive template for preparation of carbon flakes from CCl ₄ . Chemical Papers, 2020, 74, 4599-4607.	2.2	0
51	Very thin carbon-based films for transmissive photocathodes. Journal of Physics: Conference Series, 2020, 1492, 012034.	0.4	0
52	Synthesis, Characterization and Anti-redeposition Properties of Sulfoethyl Locust Bean Gum â€‘Interaction with Laundry Detergent Enzymes. Tenside, Surfactants, Detergents, 2012, 49, 156-160.	1.2	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