

Pavel Otáhal

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

413
citations

759233

12
h-index

752698

20
g-index

28
all docs

28
docs citations

28
times ranked

514
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical Analysis of the Relationship Between Antioxidant Activity and the Structure of Flavonoid Compounds. <i>Revista De Chimie (discontinued)</i> , 2019, 70, 3103-3107.	0.4	65
2	An advanced approach for electrochemical sensing of ibuprofen in pharmaceuticals and human urine samples using a bare boron-doped diamond electrode. <i>Journal of Electroanalytical Chemistry</i> , 2018, 822, 144-152.	3.8	61
3	A progressive electrochemical sensor for food quality control: Reliable determination of theobromine in chocolate products using a miniaturized boron-doped diamond electrode. <i>Microchemical Journal</i> , 2018, 142, 297-304.	4.5	50
4	Determination of the Total Polyphenols Content and Antioxidant Activity of Echinacea Purpurea Extracts Using Newly Manufactured Glassy Carbon Electrodes Modified with Carbon Nanotubes. <i>Processes</i> , 2020, 8, 833.	2.8	29
5	Adaptive Ant Colony Optimization with node clustering applied to the Travelling Salesman Problem. <i>Swarm and Evolutionary Computation</i> , 2022, 70, 101056.	8.1	25
6	Preparation of Filtration Sorptive Materials from Nanofibers, Bicofibers, and Textile Adsorbents without Binders Employment. <i>Nanomaterials</i> , 2018, 8, 564.	4.1	22
7	Nutraceuticals and Herbs in Reducing the Risk and Improving the Treatment of COVID-19 by Targeting SARS-CoV-2. <i>Biomedicines</i> , 2021, 9, 1266.	3.2	22
8	Protective Properties of a Microstructure Composed of Barrier Nanostructured Organics and SiO _x Layers Deposited on a Polymer Matrix. <i>Nanomaterials</i> , 2018, 8, 679.	4.1	20
9	Voltammetric Protocol for Reliable Determination of a Platelet Aggregation Inhibitor Dipyridamole on a Bare Miniaturized Boron-Doped Diamond Electrochemical Sensor. <i>Journal of the Electrochemical Society</i> , 2019, 166, B219-B226.	2.9	18
10	Influence of Weights of Geographical Factors on the Results of Multicriteria Analysis in Solving Spatial Analyses. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 489.	2.9	16
11	Experimental Survey Regarding the Dangerous Chemical Compounds from Military Polygons that Affect the Military Health and the Environment. <i>Revista De Chimie (discontinued)</i> , 2018, 69, 1640-1644.	0.4	15
12	Selected Respiratory Protective Devices: Respirators and Significance of Some Markings. <i>Sustainability</i> , 2021, 13, 4988.	3.2	14
13	Employment of Simulants for Testing Constructive Materials Designed for Body Surface Isolative Protection in Relation to Chemical Warfare Agents. <i>Revista De Chimie (discontinued)</i> , 2018, 69, 300-304.	0.4	12
14	A New Colorimetric Assay for Determination of Selected Toxic Vapors and Liquids Permeation Through Barrier Materials Using the Minitest Device. <i>Materiale Plastice</i> , 2017, 54, 748-751.	0.8	9
15	Testing Methods of Assessment for the Chemical Resistance of Insulating Materials Against the Effect of Selected Acids. <i>Materiale Plastice</i> , 2018, 55, 545-551.	0.8	7
16	Protecting emergency workers and armed forces from volatile toxic compounds: Applicability of reversible conductive polymer-based sensors in barrier materials. <i>Science of the Total Environment</i> , 2019, 694, 133736.	8.0	6
17	Obtaining the Volatile Oils from Wormwood and Tarragon Plants by a New Microwave Hydrodistillation Method. <i>Revista De Chimie (discontinued)</i> , 2017, 68, 2499-2502.	0.4	6
18	Adsorption performances and antimicrobial activity of the nanosilver modified montmorillonite clay. <i>Processes</i> , 2020, 8, 187, 345-369.		5

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19	Pulverized river shellfish shells as a 904 cheap adsorbent for removing of malathion from water: Examination of the isotherms, kinetics, thermodynamics and optimization of the experimental conditions by the response surface method. Military Technical Courier, 2021, 69, 871-904.	0.7	3
20	Defining Filtering Protective Suit Ideality using a Mathematical-Modeling Method. AATCC Journal of Research, 2019, 6, 18-24.	0.6	2
21	Selected Aspects of Barrier Materials Assessment as a Part of the Reaction on Threats and Risks Connected with CBRN Problems. Studies in Systems, Decision and Control, 2020, , 531-543.	1.0	2
22	The Czech Armed Forces Chemical Corps Specialistsâ€™ Protection In Relation To Security Threats And Their Impacts On Some Trends Of Decontamination Development. International Conference KNOWLEDGE-BASED ORGANIZATION, 2015, 21, 867-872.	0.1	1
23	Consequences of analgesics use in early pregnancy: Results of tests on mice. Science of the Total Environment, 2019, 691, 1059-1064.	8.0	1
24	Barrier properties of anti-gas military garments, considering exposure to gas organic compounds. Science of the Total Environment, 2020, 714, 136819.	8.0	1
25	Applicability of Selected Mathematical Statistics Methods During Decision Activities Within Joint CBRN Defence COE. Studies in Fuzziness and Soft Computing, 2021, , 487-498.	0.8	1
26	A Possible Approach To The Quality Of Breathing Organs Protective Equipmentâ€™s Exhalation Valve Assessment. International Conference KNOWLEDGE-BASED ORGANIZATION, 2015, 21, 861-866.	0.1	0