Katarzyna Majchrzycka

List of Publications by Year
in descending order

38	378	933447 10	839539 18
papers	citations	h-index	g-index

50	50	50	446
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Towards a conceptual framework of OSH risk management in smart working environments based on smart PPE, ambient intelligence and the Internet of Things technologies. International Journal of Occupational Safety and Ergonomics, 2017, 23, 1-20.	1.9	89
2	Evaluation of the Survivability of Microorganisms Deposited on Filtering Respiratory Protective Devices under Varying Conditions of Humidity. International Journal of Environmental Research and Public Health, 2016, 13, 98.	2.6	35
3	Multifunctional Polymer Composites Produced by Melt-Blown Technique to Use in Filtering Respiratory Protective Devices. Materials, 2020, 13, 712.	2.9	21
4	Dust at Various Workplacesâ€"Microbiological and Toxicological Threats. International Journal of Environmental Research and Public Health, 2018, 15, 877.	2.6	18
5	New Filtering Antimicrobial Nonwovens With Various Carriers for Biocides as Respiratory Protective Materials Against Bioaerosol. International Journal of Occupational Safety and Ergonomics, 2012, 18, 375-385.	1.9	16
6	Time-Dependent Antimicrobial Activity of Filtering Nonwovens with Gemini Surfactant-Based Biocides. Molecules, 2017, 22, 1620.	3.8	15
7	Survival of Microorganisms on Nonwovens Used for the Construction of Filtering Facepiece Respirators. International Journal of Environmental Research and Public Health, 2019, 16, 1154.	2.6	13
8	Microbiological Contamination at Workplaces in a Combined Heat and Power (CHP) Station Processing Plant Biomass. International Journal of Environmental Research and Public Health, 2017, 14, 99.	2.6	12
9	Microbiological and Toxicological Hazards in Sewage Treatment Plant Bioaerosol and Dust. Toxins, 2021, 13, 691.	3.4	12
10	Microbiological and toxicological hazard assessment in a waste sorting plant and proper respiratory protection. Journal of Environmental Management, 2022, 303, 114257.	7.8	12
11	Aspects of Tests and Assessment of Filtering Materials Used for Respiratory Protection Against Bioaerosols. Part II: Sweat in the Environment, Microorganisms in the Form of a Bioaerosol. International Journal of Occupational Safety and Ergonomics, 2010, 16, 275-280.	1.9	11
12	Microbial Growth on Dust-Loaded Filtering Materials Used for the Protection of Respiratory Tract as a Factor Affecting Filtration Efficiency. International Journal of Environmental Research and Public Health, 2018, 15, 1902.	2.6	11
13	Aspects of Tests and Assessment of Filtering Materials Used for Respiratory Protection Against Bioaerosols. Part I: Type of Active Substance, Contact Time, Microorganism Species. International Journal of Occupational Safety and Ergonomics, 2010, 16, 263-273.	1.9	10
14	The impact of dust in filter materials of respiratory protective devices on the microorganisms viability. International Journal of Industrial Ergonomics, 2017, 58, 109-116.	2.6	10
15	Viscoelastic Polyurethane Foams for Use in Seals of Respiratory Protective Devices. Materials, 2021, 14, 1600.	2.9	10
16	New bioactive polymer filtering material composed of nonwoven polypropylene containing alkylammonium microbiocides on a perlite carrier. Polimery, 2010, 55, 568-574.	0.7	10
17	Ergonomics Assessment of Composite Ballistic Inserts for Bullet- and Fragment-Proof Vests. International Journal of Occupational Safety and Ergonomics, 2013, 19, 387-396.	1.9	9
18	Influence of Low-Temperature Plasma Treatment on The Liquid Filtration Efficiency of Melt-Blown PP Nonwovens in The Conditions of Simulated Use of Respiratory Protective Equipment. Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa, 2017, 38, 195-207.	0.7	9

#	Article	IF	Citations
19	Assessment of Microbiological Indoor Air Quality in Cattle Breeding Farms. Aerosol and Air Quality Research, 2020, 20, 1353-1373.	2.1	9
20	Efficiency of Filtering Materials Used in Respiratory Protective Devices Against Nanoparticles. International Journal of Occupational Safety and Ergonomics, 2013, 19, 285-295.	1.9	7
21	Penetration of different nanoparticles through melt-blown filter media used for respiratory protective devices. Textile Reseach Journal, 2012, 82, 1906-1919.	2.2	6
22	Application of Biocides and Super-Absorbing Polymers to Enhance the Efficiency of Filtering Materials. Molecules, 2019, 24, 3339.	3.8	5
23	Modelling the Viability of Microorganisms of Poly(lactic Acid) Melt-Blown Nonwoven Fabrics for the Use of Respiratory Protection. Fibres and Textiles in Eastern Europe, 2015, 23, 107-113.	0.5	5
24	Viscoelastic Polyurethane Foams with Reduced Flammability and Cytotoxicity. Materials, 2022, 15, 151.	2.9	4
25	Clogging of Filtering Material Systems Used for Disposable Respirators. International Journal of Occupational Safety and Ergonomics, 1997, 3, 191-202.	1.9	3
26	A Study of the Nonsteady-State Filtration Process in a Fibrous Material in Conditions of Real Dust Loading. International Journal of Occupational Safety and Ergonomics, 2000, 6, 45-58.	1.9	2
27	Survival of Microorganisms on Filtering Respiratory Protective Devices Used at Agricultural Facilities. International Journal of Environmental Research and Public Health, 2019, 16, 2819.	2.6	2
28	WykorzystanieÃ³w superabsorpcyjnych w materiaÅ‚ach wÅ‚Ã³kienniczych. Przemysl Chemiczny, 2017, 1, 122-125.	0.0	2
29	Evaluation of the Mechanical Parameters of Ultrasonically Welded Textile Composite Structures for Protective Footwear. Fibres and Textiles in Eastern Europe, 2019, 27, 99-105.	0.5	2
30	Efficiency study of bioactive porous structures with time-dependent activity in filtering melt-blown nonwovens Badanie skutecznoÅ›ci porowatych struktur biobÃ³jczych z funkcjÄ... czasowej aktywacji we wÅ‚Ã³knach filtracyjnych melt-blown. Przemysl Chemiczny, 2017, 1, 64-68.	0.0	1
31	Effect of Temperature, Simulated Breathingand Storage Conditions on the Filtration Efficiency of Biodegradable Bioactive Filters. Fibres and Textiles in Eastern Europe, 2017, 25, 89-94.	0.5	1
32	A Contribution to the Study of the Antidust Respiratorsâ€™ Real Performance. International Journal of Occupational Safety and Ergonomics, 1996, 2, 164-170.	1.9	0
33	Nanofillers-containing polymer composite filters Filtracyjne kompozyty polimerowe z dodatkiem nanonapeï¿½niaczy. Przemysl Chemiczny, 2015, 1, 85-89.	0.0	0
34	Assessment of Protective Properties of Helmets and Eye Protectors. , 2020, , 99-130.		0
35	Ways to Improve the Safety of Filtering Respiratory Protective Devices Against Bioaerosols. , 2020, , 107-152.		0
36	Principles of Biosafety in the Working Environment. , 2020, , 59-78.		0

#	Article	IF	Citations
37	Evaluation of Functional Insoles for Protective Footwear Under Simulated Use Conditions. Autex Research Journal, 2020, .	1.1	0
38	Baza wiedzy o Å›rodkach ochrony indywidualnej: struktura, weryfikacja i perspektywy rozwoju. Occupational Safety â€“ Science and Practice, 2022, 609, 23-28.	0.0	0