Hubert Rauscher

List of Publications by Year
in descending order

30 papers	2,097 citations	394421 19 h-index	552781 26 g-index
30 all docs	30 docs citations	30 times ranked	2978 citing authors

#	Article	IF	Citations
1	How can we justify grouping of nanoforms for hazard assessment? Concepts and tools to quantify similarity. NanoImpact, 2022, 25, 100366.	4.5	23
2	Safe- and sustainable-by-design: The case of Smart Nanomaterials. A perspective based on a European workshop. Regulatory Toxicology and Pharmacology, 2022, 128, 105093.	2.7	20
3	Refinement of the selection of physicochemical properties for grouping and read-across of nanoforms. NanoImpact, 2022, 25, 100375.	4.5	6
4	A methodology for the automatic evaluation of data quality and completeness of nanomaterials for risk assessment purposes. Nanotoxicology, 2022, 16, 195-216.	3.0	2
5	Counting Small Particles in Electron Microscopy Imagesâ€"Proposal for Rules and Their Application in Practice. Nanomaterials, 2022, 12, 2238.	4.1	8
6	Towards safe and sustainable innovation in nanotechnology: State-of-play for smart nanomaterials. NanoImpact, 2021, 21, 100297.	4.5	113
7	Regulatory landscape of nanotechnology and nanoplastics from a global perspective. Regulatory Toxicology and Pharmacology, 2021, 122, 104885.	2.7	96
8	Commentary on â€œSafe(r) by design implementation in the nanotechnology industryâ€•[NanoImpact 20 (2020) 100267] and â€œIntegrative approach in a safe by design context combining risk, life cycle and socio-economic assessment for safer and sustainable nanomaterialsâ€•[NanoImpact 23 (2021) 100335]. NanoImpact, 2021, 24, 100356.	4.5	4
9	Volume-specific surface area by gas adsorption analysis with the BET method. , 2020, , 265-294.		11
10	A framework for grouping and read-across of nanomaterials- supporting innovation and risk assessment. Nano Today, 2020, 35, 100941.	11.9	80
11	Nano or Not Nano? A Structured Approach for Identifying Nanomaterials According to the European Commissionâ€™s Definition. Small, 2020, 16, e2002228.	10.0	32
12	Quality of physicochemical data on nanomaterials: an assessment of data completeness and variability. Nanoscale, 2020, 12, 4695-4708.	5.6	38
13	NanoDefiner e-Tool: An Implemented Decision Support Framework for Nanomaterial Identification. Materials, 2019, 12, 3247.	2.9	7
14	A technique-driven materials categorisation scheme to support regulatory identification of nanomaterials. Nanoscale Advances, 2019, 1, 781-791.	4.6	11
15	Characterisation of Nanomaterials with Focus on Metrology, Nanoreference Materials and Standardisation. , 2019, , 233-265.		1
16	Developing OECD test guidelines for regulatory testing of nanomaterials to ensure mutual acceptance of test data. Regulatory Toxicology and Pharmacology, 2019, 104, 74-83.	2.7	96
17	Regulatory Status of Nanotechnologies in Food in the EU. , 2019, , 381-410.		7
18	Nanomaterials: certain aspects of application, risk assessment and risk communication. Archives of Toxicology, 2018, 92, 121-141.	4.2	109

#	Article	IF	Citations
19	Physico-chemical properties of manufactured nanomaterials - Characterisation and relevant methods. An outlook based on the OECD Testing Programme. Regulatory Toxicology and Pharmacology, 2018, 92, 8-28.	2.7	112
20	Reliable nanomaterial classification of powders using the volume-specific surface area method. Journal of Nanoparticle Research, 2017, 19, 61.	1.9	70
21	Regulatory Aspects of Nanomaterials in the EU. Chemie-Ingenieur-Technik, 2017, 89, 224-231.	0.8	134
22	The NanoDefiner e-tool â€" A decision support framework for recommendation of suitable measurement techniques for the assessment of potential nanomaterials. , 2017, , .		3
23	How should the completeness and quality of curated nanomaterial data be evaluated?. Nanoscale, 2016, 8, 9919-9943.	5.6	86
24	Nanomaterials for products and application in agriculture, feed and food. Trends in Food Science and Technology, 2016, 54, 155-164.	15.1	294
25	Techniques and Protocols for Dispersing Nanoparticle Powders in Aqueous Mediaâ€"Is there a Rationale for Harmonization?. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2015, 18, 299-326.	6.5	114
26	Regulatory aspects of nanotechnology in the agri/feed/food sector in EU and non-EU countries. Regulatory Toxicology and Pharmacology, 2015, 73, 463-476.	2.7	291
27	Inventory of Nanotechnology applications in the agricultural, feed and food sector. EFSA Supporting Publications, 2014, 11, 621E.	0.7	57
28	Micro-stamped surfaces for the patterned growth of neural stem cells. Biomaterials, 2008, 29, 4766-4774.	11.4	95
29	Fouling and non-fouling surfaces produced by plasma polymerization of ethylene oxide monomer. Acta Biomaterialia, 2006, 2, 165-172.	8.3	114
30	The interaction of silanes with silicon single crystal surfaces: microscopic processes and structures. Surface Science Reports, 2001, 42, 207-328.	7.2	63