Tina Buerki-Thurnherr

List of Publications by Year
in descending order

51 papers	3,060 citations	159358 30 h-index	182168 51 g-index
52 all docs	52 docs citations	52 times ranked	4586 citing authors

#	Article	IF	Citations
1	Addressing microchimerism in pregnancy by ex vivo human placenta perfusion. Placenta, 2022, 117, 78-86.	0.7	9
2	Differences and Interactions in Placental Manganese and Iron Transfer across an In Vitro Model of Human Villous Trophoblasts. International Journal of Molecular Sciences, 2022, 23, 3296.	1.8	8
3	Catching Them Early: Framework Parameters and Progress for Prenatal and Childhood Application of Advanced Therapies. Pharmaceutics, 2022, 14, 793.	2.0	4
4	ExÂvivo dual perfusion of an isolated human placenta cotyledon: Towards protocol standardization and improved inter-centre comparability. Placenta, 2022, 126, 83-89.	0.7	7
5	Hazard assessment of abraded thermoplastic composites reinforced with reduced graphene oxide. Journal of Hazardous Materials, 2022, 435, 129053.	6.5	16
6	A novel inactivated virus system (InViS) for a fast and inexpensive assessment of viral disintegration. Scientific Reports, 2022, 12, .	1.6	2
7	Fetal exposure to environmental chemicals; insights from placental perfusion studies. Placenta, 2021, 106, 58-66.	0.7	19
8	Label-free detection of uptake, accumulation, and translocation of diesel exhaust particles in ex vivo perfused human placenta. Journal of Nanobiotechnology, 2021, 19, 144.	4.2	13
9	Microfluidic Coâ€Culture Platform to Recapitulate the Maternalâ€"Placentalâ€"Embryonic Axis. Advanced Biology, 2021, 5, e2100609.	1.4	19
10	Research on nanoparticles in human perfused placenta: State of the art and perspectives. Placenta, 2021, 104, 199-207.	0.7	25
11	Investigating the effects of differently produced synthetic amorphous silica (EÂ551) on the integrity and functionality of the human intestinal barrier using an advanced inÂvitro co-culture model. Archives of Toxicology, 2021, 95, 837-852.	1.9	4
12	Recent insights on indirect mechanisms in developmental toxicity of nanomaterials. Particle and Fibre Toxicology, 2020, 17, 31.	2.8	61
13	The impact of synthetic amorphous silica (E 551) on differentiated Caco-2 cells, a model for the human intestinal epithelium. Toxicology in Vitro, 2020, 67, 104903.	1.1	15
14	Tributyltin and triphenyltin induce 11Î²-hydroxysteroid dehydrogenase 2 expression and activity through activation of retinoid X receptor Î±. Toxicology Letters, 2020, 322, 39-49.	0.4	9
15	Release of graphene-related materials from epoxy-based composites: characterization, quantification and hazard assessment <i>in vitro</i>. Nanoscale, 2020, 12, 10703-10722.	2.8	22
16	Nanostructure generation during milk digestion in presence of a cell culture model simulating the small intestine. Journal of Colloid and Interface Science, 2020, 574, 430-440.	5.0	19
17	Investigating the accumulation and translocation of titanium dioxide nanoparticles with different surface modifications in static and dynamic human placental transfer models. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 142, 488-497.	2.0	31
18	Multi-endpoint toxicological assessment of polystyrene nano- and microparticles in different biological models in vitro. Toxicology in Vitro, 2019, 61, 104610.	1.1	172

#	Article	IF	Citations
19	Transfer and Metabolism of the Xenoestrogen Zearalenone in Human Perfused Placenta. Environmental Health Perspectives, 2019, 127, 107004.	2.8	47
20	Nano-analytical characterization of endogenous minerals in healthy placental tissue: mineral distribution, composition and ultrastructure. Analyst, The, 2019, 144, 6850-6857.	1.7	8
21	Comparison of the suitability of alkaline or enzymatic sample pre-treatment for characterization of silver nanoparticles in human tissue by single particle ICP-MS. Journal of Analytical Atomic Spectrometry, 2018, 33, 752-761.	1.6	41
22	Impact of graphene oxide on human placental trophoblast viability, functionality and barrier integrity. 2D Materials, 2018, 5, 035014.	2.0	12
23	An advanced human in vitro co-culture model for translocation studies across the placental barrier. Scientific Reports, 2018, 8, 5388.	1.6	68
24	Prenatal exposure to TiO2 nanoparticles in mice causes behavioral deficits with relevance to autism spectrum disorder and beyond. Translational Psychiatry, 2018, 8, 193.	2.4	39
25	Safety Assessment of Graphene-Based Materials: Focus on Human Health and the Environment. ACS Nano, 2018, 12, 10582-10620.	7.3	438
26	Gold nanoparticle distribution in advanced in vitro and ex vivo human placental barrier models. Journal of Nanobiotechnology, 2018, 16, 79.	4.2	48
27	Single exposure to aerosolized graphene oxide and graphene nanoplatelets did not initiate an acute biological response in a 3D human lung model. Carbon, 2018, 137, 125-135.	5.4	31
28	Developmental Toxicity of Nanomaterials: Need for a Better Understanding of Indirect Effects. Chemical Research in Toxicology, 2018, 31, 641-642.	1.7	20
29	Translocation of silver nanoparticles in the<i>ex vivo</i>human placenta perfusion model characterized by single particle ICP-MS. Nanoscale, 2018, 10, 11980-11991.	2.8	49
30	Impact of particle size and surface modification on gold nanoparticle penetration into human placental microtissues. Nanomedicine, 2017, 12, 1119-1133.	1.7	34
31	A 3D co-culture microtissue model of the human placenta for nanotoxicity assessment. Nanoscale, 2016, 8, 17322-17332.	2.8	58
32	A micropatterning approach to study the influence of actin cytoskeletal organization on polystyrene nanoparticle uptake by BeWo cells. RSC Advances, 2016, 6, 72827-72835.	1.7	3
33	Nanoparticle transport across the placental barrier: pushing the field forward!. Nanomedicine, 2016, 11, 941-957.	1.7	101
34	Bidirectional Transfer Study of Polystyrene Nanoparticles across the Placental Barrier in an <i>ex Vivo</i> Human Placental Perfusion Model. Environmental Health Perspectives, 2015, 123, 1280-1286.	2.8	125
35	Weathering of a carbon nanotube/epoxy nanocomposite under UV light and in water bath: impact on abraded particles. Nanoscale, 2015, 7, 18524-18536.	2.8	32
36	Carbon Nanotubes Released from an Epoxy-Based Nanocomposite: Quantification and Particle Toxicity. Environmental Science & Technology, 2015, 49, 10616-10623.	4.6	70

#	Article	IF	Citations
37	Transfer studies of polystyrene nanoparticles in the<i>ex vivo</i>human placenta perfusion model: key sources of artifacts. Science and Technology of Advanced Materials, 2015, 16, 044602.	2.8	36
38	Profilin 1 is required for peripheral nervous system myelination. Development (Cambridge), 2014, 141, 1553-1561.	1.2	51
39	<i>In vitro</i>mechanistic study towards a better understanding of ZnO nanoparticle toxicity. Nanotoxicology, 2013, 7, 402-416.	1.6	138
40	Influence of single walled carbon nanotubes at subtoxical concentrations on cell adhesion and other cell parameters of human epithelial cells. Journal of King Saud University - Science, 2013, 25, 15-27.	1.6	33
41	Gene Expression Profiling of Immune-Competent Human Cells Exposed to Engineered Zinc Oxide or Titanium Dioxide Nanoparticles. PLoS ONE, 2013, 8, e68415.	1.1	94
42	Effects of subtoxic concentrations of TiO2 and ZnO nanoparticles on human lymphocytes, dendritic cells and exosome production. Toxicology and Applied Pharmacology, 2012, 264, 94-103.	1.3	82
43	Knocking at the door of the unborn child: engineered nanoparticles at the human placental barrier. Swiss Medical Weekly, 2012, 142, w13559.	0.8	45
44	A comparison of acute and long-term effects of industrial multiwalled carbon nanotubes on human lung and immune cells in vitro. Toxicology Letters, 2011, 200, 176-186.	0.4	143
45	Efficient internalization of silica-coated iron oxide nanoparticles of different sizes by primary human macrophages and dendritic cells. Toxicology and Applied Pharmacology, 2011, 253, 81-93.	1.3	172
46	Carbon Nanotubes â€“ Curse or Blessing. Current Medicinal Chemistry, 2011, 18, 2115-2128.	1.2	39
47	Comprehensive evaluation ofin vitrotoxicity of three large-scale produced carbon nanotubes on human Jurkat T cells and a comparison to crocidolite asbestos. Nanotoxicology, 2009, 3, 319-338.	1.6	39
48	Integrin-linked kinase is required for radial sorting of axons and Schwann cell remyelination in the peripheral nervous system. Journal of Cell Biology, 2009, 185, 147-161.	2.3	111
49	Essential and distinct roles for cdc42 and rac1 in the regulation of Schwann cell biology during peripheral nervous system development. Journal of Cell Biology, 2007, 177, 1051-1061.	2.3	172
50	Cdc42 and Rac1 Signaling Are Both Required for and Act Synergistically in the Correct Formation of Myelin Sheaths in the CNS. Journal of Neuroscience, 2006, 26, 10110-10119.	1.7	120
51	Â1-Integrin Signaling Mediates Premyelinating Oligodendrocyte Survival But Is Not Required for CNS Myelination and Remyelination. Journal of Neuroscience, 2006, 26, 7665-7673.	1.7	106