

Vivian Merk

List of Publications by Year in descending order

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13
papers

1,104
citations

933447

10
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

1775
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of colloidal nanoparticles with their local environment: the (ionic) nanoenvironment around nanoparticles is different from bulk and determines the physico-chemical properties of the nanoparticles. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20130931.	3.4	308
2	Size control of laser-fabricated surfactant-free gold nanoparticles with highly diluted electrolytes and their subsequent bioconjugation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3057-3067.	2.8	156
3	<i>In Situ</i> Non-DLVO Stabilization of Surfactant-Free, Plasmonic Gold Nanoparticles: Effect of Hofmeister's Anions. <i>Langmuir</i> , 2014, 30, 4213-4222.	3.5	135
4	Hybrid wood materials with improved fire retardance by bio-inspired mineralisation on the nano- and submicron level. <i>Green Chemistry</i> , 2015, 17, 1423-1428.	9.0	131
5	Renewable and Functional Wood Materials by Grafting Polymerization Within Cell Walls. <i>ChemSusChem</i> , 2014, 7, 1020-1025.	6.8	96
6	Hybrid Wood Materials with Magnetic Anisotropy Dictated by the Hierarchical Cell Structure. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 9760-9767.	8.0	96
7	Mineralization of wood by calcium carbonate insertion for improved flame retardancy. <i>Holzforschung</i> , 2016, 70, 867-876.	1.9	81
8	Functional lignocellulosic materials prepared by ATRP from a wood scaffold. <i>Scientific Reports</i> , 2016, 6, 31287.	3.3	56
9	Chemical, water vapour sorption and ultrastructural analysis of Scots pine wood thermally modified in high-pressure reactor under saturated steam. <i>Journal of Materials Science</i> , 2018, 53, 3027-3037.	3.7	22
10	Timber-mortar composites: The effect of sol-gel surface modification on the wood-adhesive interface. <i>Composite Structures</i> , 2018, 201, 828-833.	5.8	12
11	Oriented Crystallization of Barium Sulfate Confined in Hierarchical Cellular Structures. <i>Crystal Growth and Design</i> , 2017, 17, 677-684.	3.0	10
12	Selective Ion Accumulation in Biomineralizing Marine Acantharia. <i>Microscopy and Microanalysis</i> , 2019, 25, 1072-1073.	0.4	1
13	Multi-modal correlative chemical imaging of aquatic microorganisms. <i>Microscopy and Microanalysis</i> , 2021, 27, 298-300.	0.4	0