

Viviane Lutz-Bueno

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

878
citations

623734

14
h-index

477307

29
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31
all docs

31
docs citations

31
times ranked

1333
citing authors

#	ARTICLE	IF	CITATIONS
1	H ₂ SO ₄ /HNO ₃ /HCl Functionalization and its effect on dispersion of carbon nanotubes in aqueous media. <i>Applied Surface Science</i> , 2008, 255, 2485-2489.	6.1	356
2	Shape retaining self-healing metal-coordinated hydrogels. <i>Nanoscale</i> , 2021, 13, 4073-4084.	5.6	45
3	Scanning-SAXS of microfluidic flows: nanostructural mapping of soft matter. <i>Lab on A Chip</i> , 2016, 16, 4028-4035.	6.0	42
4	Modulating the Mechanical Performance of Macroscale Fibers through Shear-Induced Alignment and Assembly of Protein Nanofibrils. <i>Small</i> , 2020, 16, e1904190.	10.0	39
5	Viscoelasticity Enhancement of Surfactant Solutions Depends on Molecular Conformation: Influence of Surfactant Headgroup Structure and Its Counterion. <i>Langmuir</i> , 2016, 32, 4239-4250.	3.5	36
6	Surfactant Adsorption to Different Fluid Interfaces. <i>Langmuir</i> , 2021, 37, 6722-6727.	3.5	35
7	Ionic micelles and aromatic additives: a closer look at the molecular packing parameter. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 21869-21877.	2.8	29
8	Self-Winding Gelatin Amyloid Wires for Soft Actuators and Sensors. <i>Advanced Materials</i> , 2020, 32, e2004941.	21.0	29
9	Micellar solutions in contraction slit-flow: Alignment mapped by SANS. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015, 215, 8-18.	2.4	27
10	Potential of curcumin-loaded cubosomes for topical treatment of cervical cancer. <i>Journal of Colloid and Interface Science</i> , 2022, 620, 419-430.	9.4	26
11	Oat Plant Amyloids for Sustainable Functional Materials. <i>Advanced Science</i> , 2022, 9, e2104445.	11.2	26
12	Transformer-Induced Metamorphosis of Polymeric Nanoparticle Shape at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202113424.	13.8	24
13	Intermicellar Interactions and the Viscoelasticity of Surfactant Solutions: Complementary Use of SANS and SAXS. <i>Langmuir</i> , 2017, 33, 2617-2627.	3.5	21
14	High-speed tensor tomography: iterative reconstruction tensor tomography (IRTT) algorithm. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, 223-238.	0.1	20
15	Shear thickening, temporal shear oscillations, and degradation of dilute equimolar CTAB/NaSal wormlike solutions. <i>Rheologica Acta</i> , 2013, 52, 297-312.	2.4	14
16	3D nanoscale analysis of bone healing around degrading Mg implants evaluated by X-ray scattering tensor tomography. <i>Acta Biomaterialia</i> , 2021, 134, 804-817.	8.3	14
17	X-ray scanning microscopies of microcalcifications in abdominal aortic and popliteal artery aneurysms. <i>IUCr</i> , 2019, 6, 267-276.	2.2	13
18	In Situ Visualization of the Structural Evolution and Alignment of Lyotropic Liquid Crystals in Confined Flow. <i>Small</i> , 2021, 17, e2006229.	10.0	12

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19	Model-free classification of X-ray scattering signals applied to image segmentation. Journal of Applied Crystallography, 2018, 51, 1378-1386.	4.5	11
20	Molecular interactions and the viscoelasticity of micellar aggregates. Physics of Fluids, 2019, 31, .	4.0	9
21	Bioinspired Structural Hierarchy within Macroscopic Volumes of Synthetic Composites. Advanced Healthcare Materials, 2018, 7, e1800466.	7.6	7
22	Scanning X-ray microdiffraction of decellularized pericardium tissue at increasing glucose concentration. Journal of Biophotonics, 2019, 12, e201900106.	2.3	7
23	Higher Salt Hydrophobicity Lengthens Ionic Wormlike Micelles and Stabilizes Them upon Heating. Langmuir, 2021, 37, 132-138.	3.5	7
24	Transformer-Induced Metamorphosis of Polymeric Nanoparticle Shape at Room Temperature. Angewandte Chemie, 2022, 134, .	2.0	7
25	In-situ shear-banding quantification of surfactant solutions in straight microfluidic channels. Journal of Rheology, 2017, 61, 769-783.	2.6	6
26	Nanostructure and anisotropy of 3D printed lyotropic liquid crystals studied by scattering and birefringence imaging. Additive Manufacturing, 2021, 47, 102289.	3.0	5
27	Assessing lesion malignancy by scanning small-angle x-ray scattering of breast tissue with microcalcifications. Physics in Medicine and Biology, 2019, 64, 155010.	3.0	4
28	Hierarchical Structure of Cellulose Nanofibril-Based Foams Explored by Multimodal X-ray Scattering. Biomacromolecules, 2022, 23, 676-686.	5.4	4