

Wilhelm Kossack

List of Publications by Year in descending order

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papers

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687363

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Glassy Dynamics in Condensed Isolated Polymer Chains. <i>Science</i> , 2013, 341, 1371-1374.	12.6	126
2	Confinement for More Space: A Larger Free Volume and Enhanced Glassy Dynamics of 2-Ethyl-1-hexanol in Nanopores. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3708-3712.	4.6	68
3	Molecular Order and Dynamics of Tris(2-ethylhexyl)phosphate Confined in Uni-Directional Nanopores. <i>Zeitschrift Fur Physikalische Chemie</i> , 2012, 226, 797-805.	2.8	39
4	Molecular dynamics of itraconazole confined in thin supported layers. <i>RSC Advances</i> , 2014, 4, 28432-28438.	3.6	28
5	Intra- and inter-molecular dynamics in glass-forming liquids. <i>Soft Matter</i> , 2013, 9, 1600-1603.	2.7	25
6	The interplay between inter- and intra-molecular dynamics in a series of alkylcitrate. <i>Soft Matter</i> , 2013, 9, 4681.	2.7	22
7	Glassy dynamics and physical aging in fucose saccharides as studied by infrared- and broadband dielectric spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20641.	2.8	22
8	Transition Moment Orientation Analysis on a Smectic C Liquid Crystalline Elastomer film. <i>Macromolecules</i> , 2010, 43, 7532-7539.	4.8	20
9	Molecular dynamics and morphology of confined 4-heptyl-4'-isothiocyanatobiphenyl liquid crystals. <i>Soft Matter</i> , 2012, 8, 5194.	2.7	19
10	Infrared Transition Moment Orientational Analysis on the Structural Organization of the Distinct Molecular Subunits in Thin Layers of a High Mobility n-Type Copolymer. <i>Journal of the American Chemical Society</i> , 2015, 137, 6034-6043.	13.7	18
11	Glassy dynamics of two poly(ethylene glycol) derivatives in the bulk and in nanometric confinement as reflected in its inter- and intra-molecular interactions. <i>Journal of Chemical Physics</i> , 2018, 149, 064501.	3.0	17
12	The kinetics of mutarotation in L-fucose as monitored by dielectric and infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2014, 140, 215101.	3.0	15
13	IR transition moment orientational analysis on semi-crystalline polyethylene films. <i>Polymer</i> , 2011, 52, 6061-6065.	3.8	13
14	Pressure-Dependent FTIR-Spectroscopy on the Counterbalance between External and Internal Constraints in Spider Silk of <i>Nephila pilipes</i> . <i>Macromolecules</i> , 2013, 46, 4919-4923.	4.8	13
15	Interface and Confinement Induced Order and Orientation in Thin Films of Poly(μ -caprolactone). <i>Macromolecules</i> , 2016, 49, 3442-3451.	4.8	13
16	Banded spherulites and twisting lamellae in poly(μ -caprolactone). <i>Colloid and Polymer Science</i> , 2019, 297, 771-779.	2.1	12
17	Fingerprints of homogeneous nucleation and crystal growth in polyamide 66 as studied by combined infrared spectroscopy and fast scanning chip calorimetry. <i>Colloid and Polymer Science</i> , 2020, 298, 697-706.	2.1	12
18	Spatial Orientation and Order of Structure-Defining Subunits in Thin Films of a High Mobility n-Type Copolymer. <i>Macromolecules</i> , 2016, 49, 1798-1806.	4.8	9

#	ARTICLE	IF	CITATIONS
19	Temperature-dependent IR-transition moment orientational analysis applied to thin supported films of poly- μ -caprolactone. <i>Soft Matter</i> , 2017, 13, 9211-9219.	2.7	7
20	Molecular heterogeneities in the thermal expansivity of polyalcohols. <i>Journal of Chemical Physics</i> , 2021, 154, 024503.	3.0	6
21	Influence of the remanent polarisation on the liquid crystal alignment in composite films of ferroelectric poly(vinylidene fluoride-trifluoroethylene) and a cyanobiphenyl-based liquid crystal. <i>Liquid Crystals</i> , 2016, 43, 1514-1521.	2.2	5
22	Molecular Order in Cold Drawn, Strain-Recrystallized Poly(μ -caprolactone). <i>Macromolecules</i> , 2017, 50, 1056-1065.	4.8	5
23	Methods to determine the pressure dependence of the molecular order parameter in (bio)macromolecular fibres. <i>Soft Matter</i> , 2015, 11, 1158-1164.	2.7	4
24	Molecular Dynamics of Condensed (Semi-) Isolated Polymer Chains. <i>Advances in Dielectrics</i> , 2014, , 61-93.	1.2	4
25	Glassy Dynamics as Reflected in the Inter- and Intra-molecular Interactions. <i>Advances in Dielectrics</i> , 2018, , 61-76.	1.2	2
26	Rotational Diffusion of Guest Molecules Confined in Uni-directional Nanopores. <i>Advances in Dielectrics</i> , 2014, , 127-149.	1.2	1