

Konstantinos N Raftopoulos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3858711/publications.pdf>

Version: 2024-02-01

39
papers

947
citations

430874

18
h-index

454955

30
g-index

40
all docs

40
docs citations

40
times ranked

1222
citing authors

#	ARTICLE	IF	CITATIONS
1	Alginate Hydrogels with Aloe vera: The Effects of Reaction Temperature on Morphology and Thermal Properties. <i>Materials</i> , 2022, 15, 748.	2.9	6
2	Hydration and glass transition of hybrid non-isocyanate polyurethanes with POSS inclusions. <i>Polymer</i> , 2022, 253, 125010.	3.8	7
3	Complementary assessment of I^{137} -irradiated polyurethane-POSS hybrids by chemiluminescence and differential scanning calorimetry. <i>Polymer Testing</i> , 2021, 96, 107117.	4.8	2
4	PEG-POSS Star Molecules Blended in Polyurethane with Flexible Hard Segments: Morphology and Dynamics. <i>Molecules</i> , 2021, 26, 99.	3.8	10
5	Liquid crystalline polyurethanes modified by Trisilanolisobutyl-POSS. <i>Journal of Molecular Liquids</i> , 2021, , 118069.	4.9	4
6	Morphologyâ€“Ionic Conductivity Relationship in Polymerâ€“Titania Hybrid Electrolytes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 13438-13443.	5.1	3
7	Co-nonsolvency in concentrated aqueous solutions of PNIPAM: effect of methanol on the collective and the chain dynamics. <i>Soft Matter</i> , 2020, 16, 8462-8472.	2.7	8
8	Physicochemical and Biological Characterisation of Diclofenac Oligomeric Poly(3-hydroxyoctanoate) Hybrids as I^{232} -TCP Ceramics Modifiers for Bone Tissue Regeneration. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9452.	4.1	11
9	Morphology, dynamics, and order development in a thermoplastic polyurethane with melt blended POSS. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1133-1142.	2.1	18
10	Examining the Influence of Reâ€“Used Nanofillerâ€“Pyrolyzed Montmorillonite, on the Thermal Properties of Polypropyleneâ€“Based Engineering Nanocomposites. <i>Materials</i> , 2019, 12, 2636.	2.9	5
11	Molecular and charge mobility of a poloxamer in the bulk and as soft component in polyurethanes. <i>Polymer</i> , 2019, 182, 121821.	3.8	6
12	Molecular dynamics in polyurethane foams chemically reinforced with POSS. <i>Polymer Bulletin</i> , 2019, 76, 2887-2898.	3.3	6
13	Rigid polyurethane foams reinforced with disilanolisobutyl POSS: Synthesis and properties. <i>Polymers for Advanced Technologies</i> , 2018, 29, 1879-1888.	3.2	8
14	The influence of POSS nanoparticles on selected thermal properties of polyurethane-based hybrids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 289-301.	3.6	33
15	Conductivity and Morphology Correlations of Ionic-Liquid/Lithium-Salt/Block Copolymer Nanostructured Hybrid Electrolytes. <i>ACS Applied Energy Materials</i> , 2018, 1, 666-675.	5.1	25
16	Dual Orthogonal Switching of the â€œSchizophrenicâ€œ Self-Assembly of Diblock Copolymers. <i>Macromolecules</i> , 2018, 51, 2604-2614.	4.8	33
17	Morphology, thermal properties and molecular dynamics of syndiotactic polystyrene (s-PS) nanocomposites with aligned graphene oxide and graphene nanosheets. <i>Polymer</i> , 2018, 153, 548-557.	3.8	21
18	Polyurethanes with POSS pendent on flexible hard segments: Morphology and glass transition. <i>Polymer</i> , 2018, 147, 225-236.	3.8	19

#	ARTICLE	IF	CITATIONS
19	pH Responsiveness of hydrogels formed by telechelic polyampholytes. <i>Soft Matter</i> , 2017, 13, 3568-3579.	2.7	5
20	Dynamic glass transition of the rigid amorphous fraction in polyurethane-urea/SiO ₂ nanocomposites. <i>Soft Matter</i> , 2017, 13, 4580-4590.	2.7	28
21	Bandgap Tuning in Triple-Chalcogenophene Polymer Films by Thermal Annealing. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700065.	3.9	4
22	Pressure-Dependence of Poly(<i>N</i> -isopropylacrylamide) Mesoglobule Formation in Aqueous Solution. <i>ACS Macro Letters</i> , 2017, 6, 1180-1185.	4.8	19
23	Recycling of polypropylene/montmorillonite nanocomposites by pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 119, 1-7.	5.5	16
24	Dielectric relaxations of nanocomposites composed of HEUR polymers and magnetite nanoparticles. <i>Polymer</i> , 2016, 96, 70-80.	3.8	4
25	Structure and Crystallization Behavior of Poly(ethylene oxide) (PEO) Chains in Core-Shell Brush Copolymers with Poly(propylene oxide)- <i>block</i> -poly(ethylene oxide) Side Chains. <i>Macromolecules</i> , 2016, 49, 5963-5977.	4.8	31
26	Synthesis of Diisocyanate-Containing Thiophenes and Their Use in PDMS-Based Segmented Polymers. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 59-71.	2.2	6
27	POSS Moieties with PEG Vertex Groups as Diluent in Polyurethane Elastomers: Morphology and Phase Separation. <i>Macromolecules</i> , 2016, 49, 6507-6517.	4.8	26
28	Segmental dynamics in hybrid polymer/POSS nanomaterials. <i>Progress in Polymer Science</i> , 2016, 52, 136-187.	24.7	151
29	Multi-stage freezing of HEUR polymer networks with magnetite nanoparticles. <i>Soft Matter</i> , 2016, 12, 3214-3225.	2.7	7
30	Bio-polyamides based on renewable raw materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 1225-1237.	3.6	65
31	Reduced Phase Separation and Slowing of Dynamics in Polyurethanes with Three-Dimensional POSS-Based Cross-Linking Moieties. <i>Macromolecules</i> , 2015, 48, 1429-1441.	4.8	57
32	Synthesis and morphology of rigid polyurethane foams with POSS as pendant groups or chemical crosslinks. <i>Polymers for Advanced Technologies</i> , 2015, 26, 932-940.	3.2	27
33	Direct and indirect effects of POSS on the molecular mobility of polyurethanes with varying segment M. <i>Polymer</i> , 2013, 54, 2745-2754.	3.8	46
34	POSS along the Hard Segments of Polyurethane. <i>Phase Separation and Molecular Dynamics</i> . <i>Macromolecules</i> , 2013, 46, 7378-7386.	4.8	66
35	Dielectric and thermal studies of the segmental dynamics of poly(methyl methacrylate)/silica nanocomposites prepared by the sol-gel method. <i>Journal of Applied Polymer Science</i> , 2013, 128, 3771-3781.	2.6	15
36	Molecular mobility and crystallinity in polytetramethylene ether glycol in the bulk and as soft component in polyurethanes. <i>European Polymer Journal</i> , 2011, 47, 2120-2133.	5.4	50

#	ARTICLE	IF	CITATIONS
37	Dielectric dynamics of some nylon 6/CaCO ₃ composites using broadband dielectric spectroscopy. Journal of Applied Polymer Science, 2011, 122, 2039-2046.	2.6	11
38	Polyurethane-POSS hybrids: Molecular dynamics studies. Polymer, 2010, 51, 709-718.	3.8	63
39	Structure and molecular dynamics of hyperbranched polymeric systems with urethane and urea linkages. Polymer, 2009, 50, 4039-4047.	3.8	25