

Gleb Vasilyev

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

522
citations

13
h-index

22
g-index

38
ext. papers

658
ext. citations

6.1
avg, IF

4.01
L-index

#	Paper	IF	Citations
35	Rheological Properties and Electrospinnability of High-Amylose Starch in Formic Acid. <i>Biomacromolecules</i> , 2015 , 16, 2529-36	6.9	50
34	Design of starch-formate compound fibers as encapsulation platform for biotherapeutics. <i>Carbohydrate Polymers</i> , 2017 , 158, 68-76	10.3	49
33	Electrospinning polyelectrolyte complexes: pH-responsive fibers. <i>Soft Matter</i> , 2015 , 11, 1739-47	3.6	43
32	Breaking through the Solid/Liquid Processability Barrier: Thermal Conductivity and Rheology in Hybrid Graphene-Graphite Polymer Composites. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7556-7564	9.5	42
31	The multiple roles of a dispersant in nanocomposite systems. <i>Composites Science and Technology</i> , 2016 , 133, 192-199	8.6	35
30	Single-step electrospinning of multi walled carbon nanotubes [Poly(3-octylthiophene) hybrid nano-fibers. <i>Polymer</i> , 2016 , 86, 15-21	3.9	27
29	Tunable pH-Responsive Chitosan-Poly(acrylic acid) Electrospun Fibers. <i>Biomacromolecules</i> , 2018 , 19, 5886-5895	5.5	25
28	Processable, Ion-Conducting Hydrogel for Flexible Electronic Devices with Self-Healing Capability. <i>Macromolecules</i> , 2020 , 53, 11130-11141	5.5	24
27	Printing Flowers? Custom-Tailored Photonic Cellulose Films with Engineered Surface Topography. <i>Matter</i> , 2019 , 1, 988-1000	12.7	23
26	Structure Evolution and Drying Dynamics in Sliding Cholesteric Cellulose Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 1845-1851	6.4	22
25	Modulating the Structural Orientation of Nanocellulose Composites through Mechano-Stimuli. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 40443-40450	9.5	17
24	3D Structure and Processing Methods Direct the Biological Attributes of ECM-Based Cardiac Scaffolds. <i>Scientific Reports</i> , 2019 , 9, 5578	4.9	17
23	The Role of Electrical Polarity in Electrospinning and on the Mechanical and Structural Properties of As-Spun Fibers. <i>Materials</i> , 2020 , 13,	3.5	15
22	Controlled Assembly of Nanocellulose-Stabilized Emulsions with Periodic Liquid Crystal-in-Liquid Crystal Organization. <i>Langmuir</i> , 2018 , 34, 13263-13273	4	12
21	Estimating the Degree of Polymer Stretching during Electrospinning: An Experimental Imitation Method. <i>Macromolecular Materials and Engineering</i> , 2017 , 302, 1600554	3.9	10
20	Differentiation of Pancreatic Cyst Types by Analysis of Rheological Behavior of Pancreatic Cyst Fluid. <i>Scientific Reports</i> , 2017 , 7, 45589	4.9	10
19	Flow induced stability of pluronic hydrogels: Injectable and unencapsulated nucleus pulposus replacement. <i>Acta Biomaterialia</i> , 2019 , 96, 295-302	10.8	10

18	Structural Transition in Liquid Crystal Bubbles Generated from Fluidic Nanocellulose Colloids. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8751-8755	16.4	9
17	The ternary system amylose-amylopectin-formic acid as precursor for electrospun fibers with tunable mechanical properties. <i>Carbohydrate Polymers</i> , 2019 , 214, 186-194	10.3	8
16	Relaxation spectra of polymers and phenomena of electrical and hydrophobic recovery: Interplay between bulk and surface properties of polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017 , 55, 198-205	2.6	8
15	Structural Transition in Liquid Crystal Bubbles Generated from Fluidic Nanocellulose Colloids. <i>Angewandte Chemie</i> , 2017 , 129, 8877-8881	3.6	7
14	Structure and Rheology of Polyelectrolyte Complexes in the Presence of a Hydrogen-Bonded Co-Solvent. <i>Polymers</i> , 2019 , 11,	4.5	7
13	Enhanced Electrospinning of Active Organic Fibers by Plasma Treatment on Conjugated Polymer Solutions. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 26320-26329	9.5	7
12	Structural Arrest and Phase Transition in Glassy Nanocellulose Colloids. <i>Langmuir</i> , 2020 , 36, 979-985	4	7
11	Pressure losses in flow of viscoelastic polymeric fluids through short channels. <i>Journal of Rheology</i> , 2014 , 58, 433-448	4.1	7
10	Solvent-Free Aqueous Dispersions of Block Copolyesters for Electrospinning of Biodegradable Nonwoven Mats for Biomedical Applications. <i>Macromolecular Materials and Engineering</i> , 2014 , 299, 1445-1454	3.9	7
9	pH-Controlled network formation in a mixture of oppositely charged cellulose nanocrystals and poly(allylamine). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019 , 57, 1527-1536	2.6	6
8	Electrostatically crosslinked cellulose nanocrystal and polyelectrolyte complex sponges with pH responsiveness. <i>Carbohydrate Polymers</i> , 2021 , 266, 118131	10.3	5
7	Hybrid Nanocomposites for 3D Optics: Using Interpolymer Complexes with Cellulose Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19324-19330	9.5	4
6	The role of polymer-solvent interactions in polyvinyl-alcohol dispersions of multi-wall carbon nanotubes: from coagulant to dispersant. <i>Soft Matter</i> , 2018 , 15, 47-54	3.6	3
5	Synergistic Effect of Two Organogelators for the Creation of Bio-Based, Shape-Stable Phase-Change Materials. <i>Langmuir</i> , 2020 , 36, 15572-15582	4	3
4	Controlled-Release LCST-Type Nonwoven Depots via Squeezing-Out Thermal Response. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1800606	3.9	1
3	Phase Change Material with Gelation Imparting Shape Stability.. <i>ACS Omega</i> , 2022 , 7, 11887-11902	3.9	1
2	Exclusion and Trapping of Carbon Nanostructures in Nonisotropic Suspensions of Cellulose Nanostructures. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 3535-3542	3.4	0
1	Micellization of a di-block copolymer in ethylene glycol and its utilization for suspension of carbonaceous nanostructures. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46518	2.9	

