

# Eugenia Kharlampieva

## List of Publications by Year in Descending Order

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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.

106  
papers

5,234  
citations

46  
h-index

70  
g-index

110  
ext. papers

5,639  
ext. citations

6.8  
avg, IF

5.74  
L-index

#	Paper	IF	Citations
106	Poly(-vinylpyrrolidone)--Poly(dimethylsiloxane)--Poly(-vinylpyrrolidone) Triblock Copolymer Polymersomes for Delivery of PARP1 siRNA to Breast Cancers.. <i>ACS Applied Bio Materials</i> , <b>2022</b> ,	4.1	2
105	Dually Responsive Poly(N-vinylcaprolactam)-b-poly(dimethylsiloxane)-b-poly(N-vinylcaprolactam) Polymersomes for Controlled Delivery. <i>Molecules</i> , <b>2022</b> , 27, 3485	4.8	1
104	Complete pH-Dependent Shape Recovery in Cubical Hydrogel Capsules after Large Osmotic Deformations. <i>Macromolecules</i> , <b>2021</b> , 54, 9712-9723	5.5	0
103	Anisotropic Particles through Multilayer Assembly. <i>Macromolecular Bioscience</i> , <b>2021</b> , e2100328	5.5	1
102	Polymeric Particulates of Controlled Rigidity for Biomedical Applications. <i>ACS Applied Polymer Materials</i> , <b>2021</b> , 3, 2274-2289	4.3	1
101	Xenotransplantation of tannic acid-encapsulated neonatal porcine islets decreases proinflammatory innate immune responses. <i>Xenotransplantation</i> , <b>2021</b> , e12706	2.8	3
100	Free-Standing Thin Hydrogels: Effects of Composition and pH-Dependent Hydration on Mechanical Properties. <i>ACS Applied Polymer Materials</i> , <b>2021</b> , 3, 3960-3971	4.3	0
99	Temperature controlled transformations of giant unilamellar vesicles of amphiphilic triblock copolymers synthesized via microfluidic mixing. <i>Applied Surface Science Advances</i> , <b>2021</b> , 5, 100101	2.6	3
98	Multilayer Microcapsules with Shell-Chelated Zr for PET Imaging and Controlled Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 56792-56804	9.5	9
97	Architecture of Hydrated Multilayer Poly(methacrylic acid) Hydrogels: The Effect of Solution pH. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 2260-2273	4.3	3
96	Photo-Cross-Linked Hydrogel Replication of Small Objects: A Multistep Final Project for Undergraduate Polymer Laboratories. <i>Journal of Chemical Education</i> , <b>2020</b> , 97, 1637-1643	2.4	3
95	Localized Immunosuppression With Tannic Acid Encapsulation Delays Islet Allograft and Autoimmune-Mediated Rejection. <i>Diabetes</i> , <b>2020</b> , 69, 1948-1960	0.9	13
94	Dampening Antigen-Specific T Cell Responses with Antigens Encapsulated in Polyphenolic Microcapsules. <i>ImmunoHorizons</i> , <b>2020</b> , 4, 530-545	2.7	2
93	Self-Assemblies of Thermoresponsive Poly(N-vinylcaprolactam) Polymers for Applications in Biomedical Field. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 26-39	4.3	28
92	Photocatalytic Nanocomposite Microsponges of Polylactide/Titanania for Chemical Remediation in Water. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 5188-5197	4.3	3
91	Temperature-Responsive Polymersomes of Poly(3-methyl--vinylcaprolactam)--poly(-vinylpyrrolidone) To Decrease Doxorubicin-Induced Cardiotoxicity. <i>Biomacromolecules</i> , <b>2019</b> , 20, 3989-4000	6.9	19
90	Carbohydrate Sensing Using Water-Soluble Poly(methacrylic acid)-co-3-(Acrylamido)phenylboronic Acid Copolymer. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 1341-1349	4.3	13

89	Shape Recovery of Spherical Hydrogen-Bonded Multilayer Capsules after Osmotically Induced Deformation. <i>Langmuir</i> , <b>2019</b> , 35, 10910-10919	4	8
88	Effect of temperature and hydrophilic ratio on the structure of poly(N-vinylcaprolactam)-block-poly(dimethylsiloxane)-block-poly(N-vinylcaprolactam) polymersomes. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 722-736	4.3	10
87	Multilayer Assemblies of Biopolymers <b>2018</b> , 57-106		
86	Stability of the Na Form of the Human Telomeric G-Quadruplex: Role of Adenines in Stabilizing G-Quadruplex Structure. <i>ACS Omega</i> , <b>2018</b> , 3, 844-855	3.9	17
85	Manganoporphyrin-Polyphenol Multilayer Capsules as Radical and Reactive Oxygen Species (ROS) Scavengers. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 344-357	9.6	30
84	Neutron scattering in the biological sciences: progress and prospects. <i>Acta Crystallographica Section D: Structural Biology</i> , <b>2018</b> , 74, 1129-1168	5.5	31
83	Encapsulation and Ultrasound-Triggered Release of G-Quadruplex DNA in Multilayer Hydrogel Microcapsules. <i>Polymers</i> , <b>2018</b> , 10,	4.5	12
82	Multilayer Hydrogel Capsules of Interpenetrated Network for Encapsulation of Small Molecules. <i>Langmuir</i> , <b>2018</b> , 34, 11832-11842	4	16
81	Peptide-Functionalized Hydrogel Cubes for Active Tumor Cell Targeting. <i>Biomacromolecules</i> , <b>2018</b> , 19, 4084-4097	6.9	12
80	Poly(N-vinylcaprolactam): From Polymer Synthesis to Smart Self-assemblies <b>2018</b> , 93-120		2
79	Ultrasound-Triggered Delivery of Anticancer Therapeutics from MRI-Visible Multilayer Microcapsules. <i>Advanced Therapeutics</i> , <b>2018</b> , 1, 1800051	4.9	19
78	Islet encapsulation with polyphenol coatings decreases pro-inflammatory chemokine synthesis and T cell trafficking. <i>Biomaterials</i> , <b>2017</b> , 128, 19-32	15.6	52
77	Theranostic Multilayer Capsules for Ultrasound Imaging and Guided Drug Delivery. <i>ACS Nano</i> , <b>2017</b> , 11, 3135-3146	16.7	71
76	Highly efficient delivery of potent anticancer iminoquinone derivative by multilayer hydrogel cubes. <i>Acta Biomaterialia</i> , <b>2017</b> , 58, 386-398	10.8	24
75	Aqueous RAFT Synthesis of Glycopolymers for Determination of Saccharide Structure and Concentration Effects on Amyloid Aggregation. <i>Biomacromolecules</i> , <b>2017</b> , 18, 3359-3366	6.9	13
74	Resolution Agonist 15-epi-Lipoxin A Programs Early Activation of Resolving Phase in Post-Myocardial Infarction Healing. <i>Scientific Reports</i> , <b>2017</b> , 7, 9999	4.9	43
73	Temperature-responsive nanogel multilayers of poly(N-vinylcaprolactam) for topical drug delivery. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 506, 589-602	9.3	52
72	Small Angle Scattering for Pharmaceutical Applications: From Drugs to Drug Delivery Systems. <i>Advances in Experimental Medicine and Biology</i> , <b>2017</b> , 1009, 239-262	3.6	4

71	Polyphenolic Polymersomes of Temperature-Sensitive Poly(N-vinylcaprolactam)-block-Poly(N-vinylpyrrolidone) for Anticancer Therapy. <i>Biomacromolecules</i> , <b>2017</b> , 18, 2552-2563	6.9	41
70	Shaped stimuli-responsive hydrogel particles: syntheses, properties and biological responses. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 9-35	7.3	60
69	Shape-Adaptable Polymeric Particles for Controlled Delivery. <i>Macromolecules</i> , <b>2016</b> , 49, 8373-8386	5.5	43
68	Development of gellan gum containing formulations for transdermal drug delivery: Component evaluation and controlled drug release using temperature responsive nanogels. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 509, 465-476	6.5	53
67	Stratified Temperature-Responsive Multilayer Hydrogels of Poly(N-vinylpyrrolidone) and Poly(N-vinylcaprolactam): Effect of Hydrogel Architecture on Properties. <i>Macromolecules</i> , <b>2016</b> , 49, 6953-6964 <sup>20</sup>	5.5	20
66	Melting of gelatin gels confined to silica nanopores. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 29056-29063	3.9	11
65	Thermoresponsive Micelles from Double LCST-Poly(3-methyl-N-vinylcaprolactam) Block Copolymers for Cancer Therapy. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 308-311	6.6	60
64	Minireview: Directed Differentiation and Encapsulation of Islet $\beta$ Cells-Recent Advances and Future Considerations. <i>Molecular Endocrinology</i> , <b>2015</b> , 29, 1388-99		9
63	Nanostructured highly-swollen hydrogels: Complexation with amino acids through copper (II) ions. <i>Polymer</i> , <b>2015</b> , 74, 94-107	3.9	9
62	Controlling Internal Organization of Multilayer Poly(methacrylic acid) Hydrogels with Polymer Molecular Weight. <i>Macromolecules</i> , <b>2015</b> , 48, 8585-8593	5.5	15
61	Hydrogen-bonded multilayers of tannic acid as mediators of T-cell immunity. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 686-94	10.1	75
60	Diabetes: Hydrogen-Bonded Multilayers of Tannic Acid as Mediators of T-Cell Immunity (Adv. Healthcare Mater. 5/2015). <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 685-685	10.1	1
59	Cubical Shape Enhances the Interaction of Layer-by-Layer Polymeric Particles with Breast Cancer Cells. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 2657-2666	10.1	55
58	Intracellular Degradable Hydrogel Cubes and Spheres for Anti-Cancer Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 13633-44	9.5	63
57	Tuning assembly and enzymatic degradation of silk/poly(N-vinylcaprolactam) multilayers via molecular weight and hydrophobicity. <i>Soft Matter</i> , <b>2015</b> , 11, 5133-45	3.6	18
56	Temperature-Sensitive Polymersomes for Controlled Delivery of Anticancer Drugs. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 7945-7956	9.6	99
55	Encapsulation of anticancer drug by hydrogen-bonded multilayers of tannic acid. <i>Soft Matter</i> , <b>2014</b> , 10, 9237-47	3.6	99
54	pH-responsive hydrogel cubes for release of doxorubicin in cancer cells. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 2494-2507	7.3	51

53	Internalization of red blood cell-mimicking hydrogel capsules with pH-triggered shape responses. <i>ACS Nano</i> , <b>2014</b> , 8, 5725-37	16.7	75
52	Synthesis and self-assembly of thermosensitive double-hydrophilic poly(N-vinylcaprolactam)-b-poly(N-vinyl-2-pyrrolidone) diblock copolymers. <i>Journal of Polymer Science Part A</i> , <b>2014</b> , 52, 2725-2737	2.5	42
51	Temperature-responsive properties of poly(N-vinylcaprolactam) multilayer hydrogels in the presence of Hofmeister anions. <i>Materials Research Express</i> , <b>2014</b> , 1, 035039	1.7	24
50	Highly swellable ultrathin poly(4-vinylpyridine) multilayer hydrogels with pH-triggered surface wettability. <i>Soft Matter</i> , <b>2013</b> , 9, 9420	3.6	29
49	Biocompatible shaped particles from dried multilayer polymer capsules. <i>Biomacromolecules</i> , <b>2013</b> , 14, 3830-41	6.9	74
48	Tailoring Architecture of Nanothin Hydrogels: Effect of Layering on pH-Triggered Swelling.. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 226-229	6.6	25
47	Tunable pH and temperature response of weak polyelectrolyte brushes: role of hydrogen bonding and monomer hydrophobicity. <i>Soft Matter</i> , <b>2013</b> , 9, 5464	3.6	67
46	pH-triggered shape response of cubical ultrathin hydrogel capsules. <i>Soft Matter</i> , <b>2012</b> , 8, 9828	3.6	46
45	Thermosensitive multilayer hydrogels of poly(N-vinylcaprolactam) as nanothin films and shaped capsules. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 3707-3719	9.6	82
44	Hydrogen-bonded Multilayers of Silk Fibroin: From Coatings to Cell-mimicking Shaped Microcontainers. <i>ACS Macro Letters</i> , <b>2012</b> , 2012, 384-387	6.6	33
43	Silk layering as studied with neutron reflectivity. <i>Langmuir</i> , <b>2012</b> , 28, 11481-9	4	13
42	Ultrathin polymeric coatings based on hydrogen-bonded polyphenol for protection of pancreatic islet cells. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 3389-3398	15.6	117
41	Thin film assembly of spider silk-like block copolymers. <i>Langmuir</i> , <b>2011</b> , 27, 1000-8	4	36
40	Shape switching of hollow layer-by-layer hydrogel microcontainers. <i>Chemical Communications</i> , <b>2011</b> , 47, 8352-4	5.8	46
39	Localized entrapment of green fluorescent protein within nanostructured polymer films. <i>Soft Matter</i> , <b>2011</b> , 7, 11453	3.6	7
38	Cell surface engineering with polyelectrolyte multilayer thin films. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 7054-64	16.4	157
37	Secondary structure of silaffin at interfaces and titania formation. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 5242		29
36	Co-cross-linking silk matrices with silica nanostructures for robust ultrathin nanocomposites. <i>ACS Nano</i> , <b>2010</b> , 4, 7053-63	16.7	61

35	pH-controlled assembly and properties of LbL membranes from branched conjugated poly(alkoxythiophene sulfonate) and various polycations. <i>Langmuir</i> , <b>2010</b> , 26, 7138-47	4	19
34	pH-responsive photoluminescent LbL hydrogels with confined quantum dots. <i>Soft Matter</i> , <b>2010</b> , 6, 800-807	3.6	59
33	Replication of anisotropic dispersed particulates and complex continuous templates. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 6587		52
32	Responsive microcapsule reactors based on hydrogen-bonded tannic acid layer-by-layer assemblies. <i>Soft Matter</i> , <b>2010</b> , 6, 3596	3.6	221
31	Flexible Silk/Inorganic Nanocomposites: From Transparent to Highly Reflective. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 840-846	15.6	74
30	Metalized porous interference lithographic microstructures via biofunctionalization. <i>Advanced Materials</i> , <b>2010</b> , 22, 1369-73	24	17
29	Anisotropic micro- and nano-capsules. <i>Macromolecular Rapid Communications</i> , <b>2010</b> , 31, 2041-6	4.8	59
28	Biodegradable self-reporting nanocomposite films of poly(lactic acid) nanoparticles engineered by layer-by-layer assembly. <i>Polymer</i> , <b>2010</b> , 51, 4127-4139	3.9	39
27	Redox-Active Ultrathin Template of Silk Fibroin: Effect of Secondary Structure on Gold Nanoparticle Reduction. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 2696-2704	9.6	46
26	Protein-Enabled Synthesis of Monodisperse Titania Nanoparticles On and Within Polyelectrolyte Matrices. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 2303-2311	15.6	30
25	Layer-by-Layer Hydrogen-Bonded Polymer Films: From Fundamentals to Applications. <i>Advanced Materials</i> , <b>2009</b> , 21, 3053-3065	24	346
24	Bimetallic nanostructures as active Raman markers: gold-nanoparticle assembly on 1D and 2D silver nanostructure surfaces. <i>Small</i> , <b>2009</b> , 5, 2460-6	11	54
23	Spin-assisted layer-by-layer assembly: variation of stratification as studied with neutron reflectivity. <i>Langmuir</i> , <b>2009</b> , 25, 14017-24	4	88
22	pH-Responsive Layered Hydrogel Microcapsules as Gold Nanoreactors. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 2158-2167	9.6	66
21	Responsive Hybrid Nanotubes Composed of Block Copolymer and Gold Nanoparticles. <i>Macromolecules</i> , <b>2009</b> , 42, 5781-5785	5.5	35
20	Multilayer-derived, ultrathin, stimuli-responsive hydrogels. <i>Soft Matter</i> , <b>2009</b> , 5, 4077	3.6	84
19	HYDROGEN-BONDED LAYER-BY-LAYER POLYMER FILMS AND CAPSULES <b>2009</b> , 323-362		2
18	Ultrathin Layer-by-Layer Hydrogels with Incorporated Gold Nanorods as pH-Sensitive Optical Materials. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 7474-7485	9.6	132

17	Hydrogen-bonded polymer multilayers probed by neutron reflectivity. <i>Langmuir</i> , <b>2008</b> , 24, 11346-9	4	62
16	Polyaminoacid-Induced Growth of Metal Nanoparticles on Layer-by-Layer Templates. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 5822-5831	9.6	49
15	pH-induced release of polyanions from multilayer films. <i>Physical Review Letters</i> , <b>2008</b> , 100, 128303	7.4	50
14	Bioenabled Surface-Mediated Growth of Titania Nanoparticles. <i>Advanced Materials</i> , <b>2008</b> , 20, 3274-3279	24	59
13	Hydrogen-Bonded Multilayers of Poly(carboxybetaine)s. <i>Macromolecules</i> , <b>2007</b> , 40, 6967-6972	5.5	21
12	Electrostatic Layer-by-Layer Self-Assembly of Poly(carboxybetaine)s: Role of Zwitterions in Film Growth. <i>Macromolecules</i> , <b>2007</b> , 40, 3663-3668	5.5	48
11	Amphoteric surface hydrogels derived from hydrogen-bonded multilayers: reversible loading of dyes and macromolecules. <i>Langmuir</i> , <b>2007</b> , 23, 175-81	4	71
10	Where Polyelectrolyte Multilayers and Polyelectrolyte Complexes Meet. <i>Macromolecules</i> , <b>2006</b> , 39, 8873-8881	243	59
9	Poly(methacrylic acid) Hydrogel Films and Capsules: Response to pH and Ionic Strength, and Encapsulation of Macromolecules. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 328-336	9.6	214
8	Hydrogen-Bonded Layer-by-Layer Polymer Films. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , <b>2006</b> , 46, 377-395		122
7	Hydrogen-Bonded Multilayers of Thermoresponsive Polymers. <i>Macromolecules</i> , <b>2005</b> , 38, 10523-10531	5.5	131
6	Multilayers of a globular protein and a weak polyacid: role of polyacid ionization in growth and decomposition in salt solutions. <i>Biomacromolecules</i> , <b>2005</b> , 6, 1782-8	6.9	114
5	Competition of hydrogen-bonding and electrostatic interactions within hybrid polymer multilayers. <i>Langmuir</i> , <b>2004</b> , 20, 10712-7	4	24
4	Release of a dye from hydrogen-bonded and electrostatically assembled polymer films triggered by adsorption of a polyelectrolyte. <i>Langmuir</i> , <b>2004</b> , 20, 9677-85	4	62
3	Salt-Induced Multilayer Growth: Correlation with Phase Separation in Solution. <i>Macromolecules</i> , <b>2004</b> , 37, 8400-8406	5.5	57
2	Ionization and pH Stability of Multilayers Formed by Self-Assembly of Weak Polyelectrolytes. <i>Langmuir</i> , <b>2003</b> , 19, 1235-1243	4	148
1	Polyelectrolyte Multilayers of Weak Polyacid and Cationic Copolymer: Competition of Hydrogen-Bonding and Electrostatic Interactions. <i>Macromolecules</i> , <b>2003</b> , 36, 9950-9956	5.5	68