

Gaio Paradossi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8641722/publications.pdf>

Version: 2024-02-01

164
papers

4,048
citations

117453

34
h-index

161609

54
g-index

167
all docs

167
docs citations

167
times ranked

4616
citing authors

#	ARTICLE	IF	CITATIONS
1	Poly(vinyl alcohol) as versatile biomaterial for potential biomedical applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2003, 14, 687-691.	1.7	275
2	Light scattering study of a series of xanthan fractions in aqueous solution. <i>Macromolecules</i> , 1982, 15, 874-879.	2.2	137
3	Stable Polymeric Microballoons as Multifunctional Device for Biomedical Uses:Â Synthesis and Characterization. <i>Langmuir</i> , 2005, 21, 8758-8764.	1.6	124
4	Water and Polymer Dynamics in Chemically Cross-Linked Hydrogels of Poly(vinyl alcohol):Â A Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2820-2827.	1.2	93
5	Novel PVA-Based Hydrogel Microparticles for Doxorubicin Delivery. <i>Biomacromolecules</i> , 2008, 9, 1967-1973.	2.6	91
6	Remarks on the determination of chain stiffness from static scattering experiments. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1985, 6, 767-772.	1.1	84
7	Xanthan and Glucomannan Mixtures:Â Synergistic Interactions and Gelation. <i>Biomacromolecules</i> , 2002, 3, 498-504.	2.6	79
8	Temperature-Sensitive Poly(vinyl alcohol)/Poly(methacrylate- <i>co</i> - <i>N</i> -isopropyl acrylamide) Microgels for Doxorubicin Delivery. <i>Biomacromolecules</i> , 2009, 10, 1589-1596.	2.6	75
9	Study of Gelling Behavior of Poly(vinyl alcohol)-Methacrylate for Potential Utilizations in Tissue Replacement and Drug Delivery. <i>Biomacromolecules</i> , 2004, 5, 2439-2446.	2.6	74
10	Polymer Microbubbles As Diagnostic and Therapeutic Gas Delivery Device. <i>Chemistry of Materials</i> , 2008, 20, 3254-3258.	3.2	73
11	Magnetite Nanoparticles Can Be Coupled to Microbubbles to Support Multimodal Imaging. <i>Biomacromolecules</i> , 2012, 13, 1390-1399.	2.6	73
12	Tethering Functional Ligands onto Shell of Ultrasound Active Polymeric Microbubbles. <i>Biomacromolecules</i> , 2006, 7, 604-611.	2.6	72
13	A physico-chemical study on the polysaccharide ulvan from hot water extraction of the macroalga <i>Ulva</i> . <i>International Journal of Biological Macromolecules</i> , 1999, 25, 309-315.	3.6	71
14	An electron diffraction study of the mannan I crystal and molecular structure. <i>Macromolecules</i> , 1987, 20, 2407-2413.	2.2	69
15	Polymer Shelled Microparticles for a Targeted Doxorubicin Delivery in Cancer Therapy. <i>Biomacromolecules</i> , 2011, 12, 593-601.	2.6	65
16	A Conformational Study on the Algal Polysaccharide Ulvanâ€. <i>Macromolecules</i> , 2002, 35, 6404-6411.	2.2	63
17	Tailoring of Physical and Chemical Properties of Macro- and Microhydrogels Based on Telechelic PVA. <i>Biomacromolecules</i> , 2002, 3, 1255-1262.	2.6	61
18	Targeting Tumor Cells through Chitosan-Folate Modified Microcapsules Loaded with Camptothecin. <i>Bioconjugate Chemistry</i> , 2011, 22, 1066-1072.	1.8	52

#	ARTICLE	IF	CITATIONS
19	Targeted doxorubicin delivery by chitosan-galactosylated modified polymer microbubbles to hepatocarcinoma cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 434-442.	2.5	49
20	New hydrogels based on carbohydrate and on carbohydrate-synthetic polymer networks. <i>Polymer Gels and Networks</i> , 1997, 5, 225-239.	0.6	48
21	Michael-Type Addition Reactions for the In Situ Formation of Poly(vinyl alcohol)-Based Hydrogels. <i>Biomacromolecules</i> , 2007, 8, 209-214.	2.6	47
22	In situ characterization of gas-filled microballoons using soft X-ray microspectroscopy. <i>Soft Matter</i> , 2008, 4, 510.	1.2	47
23	Graphene Meets Microbubbles: A Superior Contrast Agent for Photoacoustic Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16465-16475.	4.0	47
24	Influence of Tacticity on Hydrophobicity of Poly(N-isopropylacrylamide): A Single Chain Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry B</i> , 2016, 120, 3765-3776.	1.2	45
25	A Dynamic Light Scattering Study of Hydrogels Based on Telechelic Poly(vinyl alcohol). <i>Journal of Physical Chemistry B</i> , 2000, 104, 11019-11026.	1.2	44
26	On the interplay of shell structure with low- and high-frequency mechanics of multifunctional magnetic microbubbles. <i>Soft Matter</i> , 2014, 10, 214-226.	1.2	44
27	Solution properties of a new polyelectrolyte derived from the polysaccharide scleroglucan. <i>Carbohydrate Polymers</i> , 1983, 3, 273-286.	5.1	43
28	Characterization of Acoustic Properties of PVA-Shelled Ultrasound Contrast Agents: Linear Properties (Part I). <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 1127-1138.	0.7	42
29	¹ H NMR relaxation study of a chitosan-cyclodextrin network. <i>Carbohydrate Research</i> , 1997, 300, 77-84.	1.1	40
30	Supercooled Water in PVA Matrixes: An Incoherent Quasi-Elastic Neutron Scattering (QENS) Study. <i>Journal of Physical Chemistry B</i> , 2003, 107, 8363-8371.	1.2	39
31	A new viscosupplement based on partially hydrophobic hyaluronic acid: A comparative study. <i>Biorheology</i> , 2011, 48, 263-275.	1.2	39
32	Toward Modeling Thermoresponsive Polymer Networks: A Molecular Dynamics Simulation Study of N-Isopropyl Acrylamide Co-oligomers. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8301-8312.	1.2	38
33	Copper complexes immobilized to chitosan. <i>Journal of Inorganic Biochemistry</i> , 1992, 46, 109-118.	1.5	36
34	New chemical hydrogels based on poly(vinyl alcohol). <i>Journal of Polymer Science Part A</i> , 1996, 34, 3417-3425.	2.5	35
35	Chemical and physical hydrogels: two casesystems studied by quasi elastic light scattering. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 304, 119-128.	1.2	35
36	Leptolyngbya strains from Roman hypogea: cytochemical and physico-chemical characterisation of exopolysaccharides. <i>Journal of Applied Phycology</i> , 2003, 15, 193-200.	1.5	33

#	ARTICLE	IF	CITATIONS
37	Gel-Like Structure of a Hexadecyl Derivative of Hyaluronic Acid for the Treatment of Osteoarthritis. <i>Macromolecular Bioscience</i> , 2009, 9, 646-653.	2.1	33
38	Multimodality imaging using SPECT/CT and MRI and ligand functionalized ^{99m} Tc-labeled magnetic microbubbles. <i>EJNMMI Research</i> , 2013, 3, 12.	1.1	33
39	Electrical Conductivity of Dilute and Semidilute Aqueous Polyelectrolyte Solutions. A Scaling Theory Approach. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5092-5099.	1.2	31
40	In vitro contrast-enhanced ultrasound measurements of capillary microcirculation: Comparison between polymer- and phospholipid-shelled microbubbles. <i>Ultrasonics</i> , 2011, 51, 40-48.	2.1	31
41	Conformation and Dynamics of Poly(<i>N</i> -isopropyl acrylamide) Trimers in Water: A Molecular Dynamics and Metadynamics Simulation Study. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5827-5839.	1.2	30
42	STXM goes 3D: Digital reconstruction of focal stacks as novel approach towards confocal soft x-ray microscopy. <i>Ultramicroscopy</i> , 2014, 144, 19-25.	0.8	30
43	Characterization of Acoustic Properties of PVA-Shelled Ultrasound Contrast Agents: Ultrasound-Induced Fracture (Part II). <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 1139-1147.	0.7	29
44	Structure and Dynamics of a Thermoresponsive Microgel around Its Volume Phase Transition Temperature. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10285-10293.	1.2	29
45	Seasonal succession of phototrophic biofilms in an Italian wastewater treatment plant: biovolume, spatial structure and exopolysaccharides. <i>Aquatic Microbial Ecology</i> , 2006, 45, 301-312.	0.9	28
46	Supercooled Water in PVA Matrixes. II. A Molecular Dynamics Simulation Study and Comparison with QENS Results. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8091-8096.	1.2	27
47	Chaperone-like activity of nanoparticles of hydrophobized poly(vinyl alcohol). <i>Soft Matter</i> , 2007, 3, 718.	1.2	27
48	Water, Solute, and Segmental Dynamics in Polysaccharide Hydrogels. <i>Macromolecular Bioscience</i> , 2006, 6, 579-589.	2.1	26
49	Poly(vinyl alcohol) Oligomer in Dilute Aqueous Solution: A Comparative Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry B</i> , 2012, 116, 10008-10019.	1.2	26
50	Next generation ultrasound platforms for theranostics. <i>Journal of Colloid and Interface Science</i> , 2017, 491, 151-160.	5.0	26
51	Exopolysaccharides of Two Cyanobacterial Strains from Roman Hypogea. <i>Geomicrobiology Journal</i> , 2006, 23, 301-310.	1.0	25
52	Magnetic resonance and ultrasound contrast imaging of polymer-shelled microbubbles loaded with iron oxide nanoparticles. <i>Royal Society Open Science</i> , 2016, 3, 160063.	1.1	25
53	Oxidation of L-thiols in the presence of iron(III) complex ions anchored to asymmetric polymers: a kinetic and conformational investigation. <i>The Journal of Physical Chemistry</i> , 1988, 92, 3422-3429.	2.9	24
54	Biointerface Properties of Core-Shell Poly(vinyl alcohol)-hyaluronic Acid Microgels Based on Chemoselective Chemistry. <i>Biomacromolecules</i> , 2012, 13, 3592-3601.	2.6	24

#	ARTICLE	IF	CITATIONS
55	InÂvivo biological fate of poly(vinylalcohol) microbubbles in mice. Heliyon, 2018, 4, e00770.	1.4	24
56	Assembling patchy plasmonic nanoparticles with aggregation-dependent antibacterial activity. Journal of Colloid and Interface Science, 2020, 580, 419-428.	5.0	24
57	Polyvinyl alcohol based hydrogels as new tunable materials for application in the cultural heritage field. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110777.	2.5	24
58	A comparative study of the high-frequency dielectric properties of poly(β -glutamate) and poly(γ -glutamate) aqueous solutions. , 1996, 40, 485-494.		23
59	Networks based on chitosan and oxidized cyclodextrinâ”II. Structural and catalytic features of a copper (II)-loaded network. Polymer Gels and Networks, 1998, 5, 525-540.	0.6	23
60	Proton range verification with ultrasound imaging using injectable radiation sensitive nanodroplets: a feasibility study. Physics in Medicine and Biology, 2020, 65, 065013.	1.6	23
61	A preliminary in vitro assessment of polymer-shelled microbubbles in contrast-enhanced ultrasound imaging. Ultrasonics, 2012, 52, 456-464.	2.1	22
62	Biosynthesis and Characterization of Cross-Linked Fmoc Peptide-Based Hydrogels for Drug Delivery Applications. Gels, 2015, 1, 179-193.	2.1	22
63	Theoretical models of diastereomeric noncovalent electron-transfer complexes. A thermodynamic and conformational investigation. The Journal of Physical Chemistry, 1987, 91, 1546-1553.	2.9	21
64	Conformational Dynamics of Hyaluronan in Solution. 1. A ^{13}C NMR Study of Oligomers. Macromolecules, 2001, 34, 99-109.	2.2	21
65	Polymer and Water Dynamics in Poly(vinyl alcohol)/Poly(methacrylate) Networks. A Molecular Dynamics Simulation and Incoherent Neutron Scattering Investigation. Polymers, 2011, 3, 1805-1832.	2.0	21
66	Biofabrication of genipin-crosslinked peptide hydrogels and their use in the controlled delivery of naproxen. New Biotechnology, 2017, 37, 138-143.	2.4	21
67	Branched-chain analogues of linear polysaccharides: a spectroscopic and conformational investigation of chitosan derivatives. International Journal of Biological Macromolecules, 1992, 14, 73-80.	3.6	20
68	Optical characterization of an individual polymer-shelled microbubble structure via digital holography. Soft Matter, 2012, 8, 8822.	1.2	20
69	Multiresponsive Hyaluronanâ”p(NiPAAm) â”Clickâ”Linked Hydrogels. Macromolecular Bioscience, 2014, 14, 1025-1038.	2.1	20
70	â”Softâ”Confinement of Graphene in Hydrogel Matrixes. Journal of Physical Chemistry B, 2015, 119, 2051-2061.	1.2	20
71	Structural Investigation on Thermoresponsive PVA/Poly(methacrylate- <i>co</i> - <i>N</i> -isopropylacrylamide) Microgels across the Volume Phase Transition. Macromolecules, 2011, 44, 4470-4478.	2.2	19
72	Biodegradable dextran based microgels: a study on network associated water diffusion and enzymatic degradation. Soft Matter, 2012, 8, 2494.	1.2	19

#	ARTICLE	IF	CITATIONS
73	A general strategy for obtaining biodegradable polymer shelled microbubbles as theranostic devices. <i>Chemical Communications</i> , 2013, 49, 5763.	2.2	19
74	Physicochemical characterization of chemical hydrogels based on PVA. , 1999, 37, 1225-1233.		18
75	Quantitative Analysis of Scanning Transmission X-ray Microscopy Images of Gas-Filled PVA-Based Microballoons. <i>Langmuir</i> , 2008, 24, 13677-13682.	1.6	18
76	Water-dispersible PVA-based dry microballoons with potential for biomedical applications. <i>Materials Science and Engineering C</i> , 2010, 30, 412-416.	3.8	18
77	Study of the interactions of D- and L-polylysine enantiomers with pectate in aqueous solutions. , 1999, 50, 201-209.		17
78	Solution behaviour of poly(N-isopropylacrylamide) stereoisomers in water: a molecular dynamics simulation study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 11892-11903.	1.3	17
79	Performances of a Pristine Graphene-Microbubble Hybrid Construct as Dual Imaging Contrast Agent and Assessment of Its Biodistribution by Photoacoustic Imaging. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800066.	1.2	17
80	Phase Change Ultrasound Contrast Agents with a Photopolymerized Diacetylene Shell. <i>Langmuir</i> , 2019, 35, 10116-10127.	1.6	17
81	Dielectric behavior of polyelectrolyte solutions: the role of proton fluctuation. <i>The Journal of Physical Chemistry</i> , 1991, 95, 4883-4889.	2.9	16
82	High-frequency dielectric study of side-chain dynamics in poly(lysine) aqueous solutions. <i>Biopolymers</i> , 2000, 53, 129-134.	1.2	16
83	Ultrasound contrast agent loaded with nitric oxide as a theranostic microdevice. <i>Drug Design, Development and Therapy</i> , 2015, 9, 2409.	2.0	16
84	Long-term physical evolution of an elastomeric ultrasound contrast microbubble. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 185-196.	5.0	16
85	Side-chain dynamics in poly(L-glutamate) and poly(D-glutamate) aqueous solutions: a high-frequency dielectric investigation. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 1555-1561.	1.3	15
86	Influence of Surface Concentration on Poly(vinyl alcohol) Behavior at the Water-Vacuum Interface: A Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6946-6955.	1.2	15
87	Investigation of polymer-shelled microbubble motions in acoustophoresis. <i>Ultrasonics</i> , 2016, 70, 275-283.	2.1	15
88	Incoherent quasi-elastic neutron scattering study of chemical hydrogels based on poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 T	1.3	14
89	Soft X-ray induced modifications of PVA-based microbubbles in aqueous environment: a microspectroscopy study. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 1098.	1.3	14
90	Complex interfaces in "phase-change" contrast agents. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8378-8388.	1.3	14

#	ARTICLE	IF	CITATIONS
91	Ultrasound delivery of Surface Enhanced InfraRed Absorption active gold-nanoprobes into fibroblast cells: a biological study via Synchrotron-based InfraRed microanalysis at single cell level. Scientific Reports, 2019, 9, 11845.	1.6	14
92	In Vivo Toxicity Study of Engineered Lipid Microbubbles in Rodents. ACS Omega, 2019, 4, 5526-5533.	1.6	13
93	Proton fluctuations and water diffusion in dextran chemical hydrogels studied by incoherent elastic and quasielastic neutron scattering. Carbohydrate Research, 2005, 340, 921-927.	1.1	12
94	Adding Chemical Cross-Links to a Physical Hydrogel. Molecules, 2009, 14, 3662-3675.	1.7	12
95	Cellular Uptake of Plain and SPION-Modified Microbubbles for Potential Use in Molecular Imaging. Cellular and Molecular Bioengineering, 2017, 10, 537-548.	1.0	12
96	Modulating ultrasound contrast generation from injectable nanodroplets for proton range verification by varying the degree of superheat. Medical Physics, 2021, 48, 1983-1995.	1.6	12
97	Conformational transition in aqueous solution of poly(L-glutamic acid): a low-frequency electrical conductivity study. The Journal of Physical Chemistry, 1992, 96, 913-918.	2.9	11
98	Chain dynamics in poly(L-glutamic acid) aqueous solutions as observed by means of frequency domain dielectric spectroscopy. Macromolecules, 1992, 25, 4206-4209.	2.2	11
99	Association complexes between Fe(III) or Cu(II) ions and chitosan derivatives. A thermodynamic and spectroscopic investigation. International Journal of Biological Macromolecules, 1993, 15, 145-151.	3.6	11
100	Radiowave dielectric properties of xanthan in aqueous solutions. The Journal of Physical Chemistry, 1995, 99, 274-284.	2.9	11
101	Structural fluctuations in cross-linked matrices with narrow pore size distribution. Chemical Physics, 2004, 302, 143-148.	0.9	11
102	Biosynthesis and characterization of a novel Fmoc-tetrapeptide-based hydrogel for biotechnological applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 535-540.	2.3	11
103	Prolate and Temperature-Responsive Self-Assemblies of Amphiphilic Random Copolymers with Perfluoroalkyl and Polyoxyethylene Side Chains in Solution. Macromolecular Chemistry and Physics, 2018, 219, 1800210.	1.1	11
104	The mechanism of thermal degradation of a high-molecular-weight glycoprotein complex from bovine cervical mucus. Biochemical Journal, 1983, 209, 565-572.	1.7	10
105	High-frequency dielectric relaxation measurements of side-chain dynamics of branched chitosan derivatives in aqueous solutions. Macromolecules, 1993, 26, 3363-3368.	2.2	10
106	Ligands Tethering to Biocompatible Ultrasound Active Polymeric Microbubbles Surface. Macromolecular Symposia, 2006, 234, 94-101.	0.4	10
107	PVA engineered microcapsules for targeted delivery of camptothecin to HeLa cells. Materials Science and Engineering C, 2011, 31, 1653-1659.	3.8	10
108	Evaluating the influence of paper characteristics on the efficacy of new poly(vinyl alcohol) based hydrogels for cleaning modern and ancient paper. Microchemical Journal, 2020, 155, 104716.	2.3	10

#	ARTICLE	IF	CITATIONS
109	Case Studies of Physical and Chemical Gels Based on Microbial Polysaccharides. <i>Journal of Bioactive and Compatible Polymers</i> , 1995, 10, 235-248.	0.8	9
110	Structural and thermodynamic features of the polyhydroxybutyrate physical gels. <i>Macromolecular Symposia</i> , 1999, 138, 165-174.	0.4	9
111	Conformational Study of the Diastereomeric Pairs in Poly(lysine)~Pectate Complexes. <i>Macromolecules</i> , 2001, 34, 8179-8186.	2.2	9
112	Assessment of the Viscoelastic and Oscillation Properties of a Nano-engineered Multimodality Contrast Agent. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 2476-2487.	0.7	9
113	Unique pumping-out fracturing mechanism of a polymer-shelled contrast agent: an acoustic characterization and optical visualization. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2015, 62, 451-462.	1.7	9
114	Biological in situ characterization of polymeric microbubble contrast agents. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 75, 232-243.	1.2	9
115	Differential effects on membrane permeability and viability of human keratinocyte cells undergoing very low intensity megasonic fields. <i>Scientific Reports</i> , 2017, 7, 16536.	1.6	9
116	Spatiotemporal Distribution of Nanodroplet Vaporization in a Proton Beam Using Real-Time Ultrasound Imaging for Range Verification. <i>Ultrasound in Medicine and Biology</i> , 2022, 48, 149-156.	0.7	9
117	Asymmetrically-selective oxidation of catechol derivatives by iron(III) complex ions anchored to polypeptides. <i>Journal of Molecular Catalysis</i> , 1987, 42, 269-284.	1.2	8
118	Stereoselective electron transfer between chiral substrates and metal chelates anchored to polypeptides. <i>Biopolymers</i> , 1989, 28, 319-331.	1.2	8
119	Visualization of multimodal polymer-shelled contrast agents using ultrasound contrast sequences: an experimental study in a tissue mimicking flow phantom. <i>Cardiovascular Ultrasound</i> , 2013, 11, 33.	0.5	8
120	Tacticity-Dependent Interchain Interactions of Poly(N-Isopropylacrylamide) in Water: Toward the Molecular Dynamics Simulation of a Thermoresponsive Microgel. <i>Gels</i> , 2017, 3, 13.	2.1	8
121	In Vivo Biodistribution of Engineered Lipid Microbubbles in Rodents. <i>ACS Omega</i> , 2019, 4, 13371-13381.	1.6	8
122	The photopolymerization of DC8,9PC in microbubbles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 568, 371-380.	2.3	8
123	Effect of 1-MHz ultrasound on the proinflammatory interleukin-6 secretion in human keratinocytes. <i>Scientific Reports</i> , 2021, 11, 19033.	1.6	8
124	Energetics of formation of electron-transfer complexes between asymmetric species. <i>Journal of Inorganic Biochemistry</i> , 1986, 26, 281-287.	1.5	7
125	Exopolysaccharides in cyanobacterial biofilms from Roman catacombs. <i>Algological Studies</i> , 2005, 117, 117-132.	0.1	7
126	Collective Dynamics and Transient Behavior of Partially Hydrophobic Hyaluronic Acid Chains. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 140-147.	1.1	7

#	ARTICLE	IF	CITATIONS
127	Investigation of the elimination process of a multimodal polymer-shelled contrast agent in rats using ultrasound and transmission electron microscopy. <i>Biomedical Spectroscopy and Imaging</i> , 2015, 4, 81-93.	1.2	7
128	Ultrasound/radiation-responsive emulsions. <i>Current Opinion in Colloid and Interface Science</i> , 2020, 49, 118-132.	3.4	7
129	Molecular dynamics in sodium poly (L-glutamate) aqueous solutions analyzed by means of the stretched exponential decay of the williams-watts function. <i>Biopolymers</i> , 1995, 36, 539-545.	1.2	6
130	DYNAMIC MR IMAGING, BIODISTRIBUTION AND PHARMACOKINETICS OF POLYMER SHELLED MICROBUBBLES CONTAINING SPION. <i>Nano</i> , 2014, 09, 1450069.	0.5	6
131	Temperature-Tunable Nanoparticles for Selective Biointerface. <i>Biomacromolecules</i> , 2015, 16, 1753-1760.	2.6	6
132	Microgel Particles with Distinct Morphologies and Common Chemical Compositions: A Unified Description of the Responsivity to Temperature and Osmotic Stress. <i>Gels</i> , 2020, 6, 34.	2.1	6
133	Understanding the Temperature-Responsive Self-Assemblies of Amphiphilic Random Copolymers by SANS in D ₂ O Solution. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000447.	1.1	6
134	Ultrasound-assisted investigation of photon triggered vaporization of poly(vinylalcohol) phase-change nanodroplets: A preliminary concept study with dosimetry perspective. <i>Physica Medica</i> , 2021, 89, 232-242.	0.4	6
135	Polysaccharides as a key step in stone bio-erosion. , 2000, , 425-432.		6
136	Improved hybrid-shelled perfluorocarbon microdroplets as ultrasound- and laser-activated phase-change platform. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128522.	2.3	6
137	Conformation transitions in aqueous solutions of poly(L-glutamic acid): a radiowave dielectric study. <i>The Journal of Physical Chemistry</i> , 1992, 96, 8194-8200.	2.9	5
138	In vitro analysis of the trajectories of adhesive microbubbles approaching endothelial cells. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 758-767.	5.0	5
139	Ultrasound-Stimulated PVA Microbubbles for Adhesive Removal from Cellulose-Based Materials: A Groundbreaking Low-Impact Methodology. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24207-24217.	4.0	5
140	Environmental control of reactions: Influence of poly(glutamate) on the reactivity of cysteine-quaterpyridineiron (III) mixtures. <i>Biopolymers</i> , 1990, 29, 921-933.	1.2	4
141	Size and shape of macromolecules: Calculation of the scattering function for simple geometries. <i>Journal of Chemical Education</i> , 1993, 70, 440.	1.1	4
142	Dielectric properties of poly(3-hydroxybutyrate) gels in dimethylformamide. <i>Polymer</i> , 1996, 37, 3501-3507.	1.8	4
143	Conformational Changes of Xanthan in Salt-Free Aqueous Solutions: A Low-Frequency Electrical Conductivity Study. <i>The Journal of Physical Chemistry</i> , 1996, 100, 7148-7154.	2.9	4
144	Water Dynamics in Physical Hydrogels Based On Partially Hydrophobized Hyaluronic Acid. <i>Journal of Physical Chemistry B</i> , 2012, 116, 12915-12921.	1.2	4

#	ARTICLE	IF	CITATIONS
145	Viscoelastic properties and elastic recovery of HYADD Â® 4 hydrogel compared to crosslinked HA-based commercial viscosupplements. <i>Osteoarthritis and Cartilage</i> , 2012, 20, S292.	0.6	4
146	Endocardial border delineation capability of a novel multimodal polymer-shelled contrast agent. <i>Cardiovascular Ultrasound</i> , 2014, 12, 24.	0.5	4
147	Design of Novel Polymer Shelled Ultrasound Contrast Agents: Towards an Ultrasound Triggered Drug Delivery. , 2010, , 25-39.		4
148	On the optical activity of pseudoisocyanine bound by sulfated polysaccharides in dilute aqueous solution. <i>Polymer Bulletin</i> , 1979, 1, 771.	1.7	3
149	Conformation-dependent interactions between ionic polysaccharides and counterions in dilute aqueous solution. <i>Polymer Bulletin</i> , 1979, 1, 777.	1.7	3
150	A photometer for the measurement of elastically scattered light from macromolecules in solution. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1994, 43, 553-557.	2.4	3
151	Soft Condensed Matter in Pharmaceutical Design. <i>Current Pharmaceutical Design</i> , 2006, 12, 1403-1419.	0.9	3
152	Quantitative X-ray microscopic analysis of individual thermoresponsive microgel particles in aqueous solution. <i>RSC Advances</i> , 2016, 6, 98228-98233.	1.7	3
153	Chiral discrimination in the energetics of formation of diastereomeric adducts involving polypeptides. <i>Biopolymers</i> , 1986, 25, 1249-1258.	1.2	1
154	Powerâ€Law Behavior in the Frequency dependence of the Electrical Conductivity of Poly(Lâ€Glutamic) Tj ETQq0 0 0 rgBT /Oyerlock 10	0.95	1
155	Thermoresponsive and Biodegradable Dextran Based Microgels: Synthesis and Structural Investigation. <i>Macromolecular Symposia</i> , 2013, 329, 27-34.	0.4	1
156	Hydrogels FormedÂby Cross-Linked Poly(VinylÂAlcohol). , 2013, , 37-56.		1
157	Characterization of Acoustic Properties of PVA-Shelled Ultrasound Contrast Agents. , 2010, , 99-108.		1
158	Ultrasound-assisted carbon ion dosimetry and range measurement using injectable polymer-shelled phase-change nanodroplets: in vitro study. <i>Scientific Reports</i> , 2022, 12, 8012.	1.6	1
159	Dielectric study of low-molecular weight mannan triacetate in chloroform. <i>International Journal of Biological Macromolecules</i> , 1987, 9, 95-97.	3.6	0
160	Influence of polypeptides on the reactivity of thiols toward iron(III) complex ions. <i>Journal of Molecular Catalysis</i> , 1990, 62, 369-382.	1.2	0
161	Effect of counterion concentration on the dielectric behavior of a polypeptidic chain in the helix-coil transition. <i>Biopolymers</i> , 1993, 33, 1029-1035.	1.2	0
162	Counterion condensation in xanthan aqueous solutions in the semidilute and concentrated regime. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1996, 100, 881-884.	0.9	0

#	ARTICLE	IF	CITATIONS
163	Dynamic and structural behavior of magnetic PVA-shelled microbubbles: Acoustic characterization. , 2013, , .		0
164	Hydrogels: Cross-Linked Polyvinyl Alcohol. , 0, , 3893-3905.		0