

# Gaio Paradossi

## List of Publications by Year in descending order

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164  
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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Modulating ultrasound contrast generation from injectable nanodroplets for proton range verification by varying the degree of superheat. <i>Medical Physics</i> , 2021, 48, 1983-1995.	1.6	12
6	Ultrasound-Stimulated PVA Microbubbles for Adhesive Removal from Cellulose-Based Materials: A Groundbreaking Low-Impact Methodology. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 24207-24217.	4.0	5
7	Effect of 1-MHz ultrasound on the proinflammatory interleukin-6 secretion in human keratinocytes. <i>Scientific Reports</i> , 2021, 11, 19033.	1.6	8
8	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
9	Ultrasound/radiation-responsive emulsions. <i>Current Opinion in Colloid and Interface Science</i> , 2020, 49, 118-132.	3.4	7
10	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
11	Assembling patchy plasmonic nanoparticles with aggregation-dependent antibacterial activity. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 419-428.	5.0	24
12	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
13	Proton range verification with ultrasound imaging using injectable radiation sensitive nanodroplets: a feasibility study. <i>Physics in Medicine and Biology</i> , 2020, 65, 065013.	1.6	23
14	Evaluating the influence of paper characteristics on the efficacy of new poly(vinyl alcohol) based hydrogels for cleaning modern and ancient paper. <i>Microchemical Journal</i> , 2020, 155, 104716.	2.3	10
15	Polyvinyl alcohol based hydrogels as new tunable materials for application in the cultural heritage field. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110777.	2.5	24
16	In Vivo Biodistribution of Engineered Lipid Microbubbles in Rodents. <i>ACS Omega</i> , 2019, 4, 13371-13381.	1.6	8
17	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. <i>Scientific Reports</i> , 2019, 9, 11845.	1.6	14
18	Phase Change Ultrasound Contrast Agents with a Photopolymerized Diacetylene Shell. <i>Langmuir</i> , 2019, 35, 10116-10127.	1.6	17

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19	In Vivo Toxicity Study of Engineered Lipid Microbubbles in Rodents. ACS Omega, 2019, 4, 5526-5533.	1.6	13
20	The photopolymerization of DC8,9PC in microbubbles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 568, 371-380.	2.3	8
21	Long-term physical evolution of an elastomeric ultrasound contrast microbubble. Journal of Colloid and Interface Science, 2019, 540, 185-196.	5.0	16
22	InÂvivo biological fate of poly(vinylalcohol) microbubbles in mice. Heliyon, 2018, 4, e00770.	1.4	24
23	Performances of a Pristine Grapheneâ€Microbubble Hybrid Construct as Dual Imaging Contrast Agent and Assessment of Its Biodistribution by Photoacoustic Imaging. Particle and Particle Systems Characterization, 2018, 35, 1800066.	1.2	17
24	Prolate and Temperatureâ€Responsive Selfâ€Assemblies of Amphiphilic Random Copolymers with Perfluoroalkyl and Polyoxyethylene Side Chains in Solution. Macromolecular Chemistry and Physics, 2018, 219, 1800210.	1.1	11
25	Biofabrication of genipin-crosslinked peptide hydrogels and their use in the controlled delivery of naproxen. New Biotechnology, 2017, 37, 138-143.	2.4	21
26	Solution behaviour of poly(N-isopropylacrylamide) stereoisomers in water: a molecular dynamics simulation study. Physical Chemistry Chemical Physics, 2017, 19, 11892-11903.	1.3	17
27	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
28	Next generation ultrasound platforms for theranostics. Journal of Colloid and Interface Science, 2017, 491, 151-160.	5.0	26
29	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
30	Differential effects on membrane permeability and viability of human keratinocyte cells undergoing very low intensity megasonic fields. Scientific Reports, 2017, 7, 16536.	1.6	9
31	Tacticity-Dependent Interchain Interactions of Poly(N-Isopropylacrylamide) in Water: Toward the Molecular Dynamics Simulation of a Thermoresponsive Microgel. Gels, 2017, 3, 13.	2.1	8
32	Influence of Tacticity on Hydrophobicity of Poly(N-isopropylacrylamide): A Single Chain Molecular Dynamics Simulation Study. Journal of Physical Chemistry B, 2016, 120, 3765-3776.	1.2	45
33	Biological in situ characterization of polymeric microbubble contrast agents. International Journal of Biochemistry and Cell Biology, 2016, 75, 232-243.	1.2	9
34	Investigation of polymer-shelled microbubble motions in acoustophoresis. Ultrasonics, 2016, 70, 275-283.	2.1	15
35	Magnetic resonance and ultrasound contrast imaging of polymer-shelled microbubbles loaded with iron oxide nanoparticles. Royal Society Open Science, 2016, 3, 160063.	1.1	25
36	Quantitative X-ray microscopic analysis of individual thermoresponsive microgel particles in aqueous solution. RSC Advances, 2016, 6, 98228-98233.	1.7	3

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37	Graphene Meets Microbubbles: A Superior Contrast Agent for Photoacoustic Imaging. ACS Applied Materials & Interfaces, 2016, 8, 16465-16475.	4.0	47
38	Complex interfaces in "phase-change" contrast agents. Physical Chemistry Chemical Physics, 2016, 18, 8378-8388.	1.3	14
39	Ultrasound contrast agent loaded with nitric oxide as a theranostic microdevice. Drug Design, Development and Therapy, 2015, 9, 2409.	2.0	16
40	Biosynthesis and Characterization of Cross-Linked Fmoc Peptide-Based Hydrogels for Drug Delivery Applications. Gels, 2015, 1, 179-193.	2.1	22
41	Investigation of the elimination process of a multimodal polymer-shelled contrast agent in rats using ultrasound and transmission electron microscopy. Biomedical Spectroscopy and Imaging, 2015, 4, 81-93.	1.2	7
42	"Soft" Confinement of Graphene in Hydrogel Matrixes. Journal of Physical Chemistry B, 2015, 119, 2051-2061.	1.2	20
43	Unique pumping-out fracturing mechanism of a polymer-shelled contrast agent: an acoustic characterization and optical visualization. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 451-462.	1.7	9
44	Temperature-Tunable Nanoparticles for Selective Biointerface. Biomacromolecules, 2015, 16, 1753-1760.	2.6	6
45	Multiresponsive Hyaluronan-p(NiPAAm) "Click" Linked Hydrogels. Macromolecular Bioscience, 2014, 14, 1025-1038.	2.1	20
46	DYNAMIC MR IMAGING, BIODISTRIBUTION AND PHARMACOKINETICS OF POLYMER SHELLLED MICROBUBBLES CONTAINING SPION. Nano, 2014, 09, 1450069.	0.5	6
47	STXM goes 3D: Digital reconstruction of focal stacks as novel approach towards confocal soft x-ray microscopy. Ultramicroscopy, 2014, 144, 19-25.	0.8	30
48	Collective Dynamics and Transient Behavior of Partially Hydrophobic Hyaluronic Acid Chains. Macromolecular Chemistry and Physics, 2014, 215, 140-147.	1.1	7
49	On the interplay of shell structure with low- and high-frequency mechanics of multifunctional magnetic microbubbles. Soft Matter, 2014, 10, 214-226.	1.2	44
50	Assessment of the Viscoelastic and Oscillation Properties of a Nano-engineered Multimodality Contrast Agent. Ultrasound in Medicine and Biology, 2014, 40, 2476-2487.	0.7	9
51	Endocardial border delineation capability of a novel multimodal polymer-shelled contrast agent. Cardiovascular Ultrasound, 2014, 12, 24.	0.5	4
52	Influence of Surface Concentration on Poly(vinyl alcohol) Behavior at the Water-Vacuum Interface: A Molecular Dynamics Simulation Study. Journal of Physical Chemistry B, 2014, 118, 6946-6955.	1.2	15
53	Multimodality imaging using SPECT/CT and MRI and ligand functionalized 99mTc-labeled magnetic microbubbles. EJNMMI Research, 2013, 3, 12.	1.1	33
54	Thermoresponsive and Biodegradable Dextran Based Microgels: Synthesis and Structural Investigation. Macromolecular Symposia, 2013, 329, 27-34.	0.4	1

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55	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
56	A general strategy for obtaining biodegradable polymer shelled microbubbles as theranostic devices. <i>Chemical Communications</i> , 2013, 49, 5763.	2.2	19
57	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
58	Dynamic and structural behavior of magnetic PVA-shelled microbubbles: Acoustic characterization. , 2013, , .		0
59	Hydrogels Formed by Cross-Linked Poly(Vinyl Alcohol). , 2013, , 37-56.		1
60	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
61	Biodegradable dextran based microgels: a study on network associated water diffusion and enzymatic degradation. <i>Soft Matter</i> , 2012, 8, 2494.	1.2	19
62	Magnetite Nanoparticles Can Be Coupled to Microbubbles to Support Multimodal Imaging. <i>Biomacromolecules</i> , 2012, 13, 1390-1399.	2.6	73
63	Optical characterization of an individual polymer-shelled microbubble structure via digital holography. <i>Soft Matter</i> , 2012, 8, 8822.	1.2	20
64	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
65	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
66	Viscoelastic properties and elastic recovery of HYADD <sup>®</sup> 4 hydrogel compared to crosslinked HA-based commercial viscosupplements. <i>Osteoarthritis and Cartilage</i> , 2012, 20, S292.	0.6	4
67	A preliminary in vitro assessment of polymer-shelled microbubbles in contrast-enhanced ultrasound imaging. <i>Ultrasonics</i> , 2012, 52, 456-464.	2.1	22
68	Structural Investigation on Thermo-responsive PVA/Poly(methacrylate-co-N-isopropylacrylamide) Microgels across the Volume Phase Transition. <i>Macromolecules</i> , 2011, 44, 4470-4478.	2.2	19
69	Conformation and Dynamics of Poly(N-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
70	Polymer Shelled Microparticles for a Targeted Doxorubicin Delivery in Cancer Therapy. <i>Biomacromolecules</i> , 2011, 12, 593-601.	2.6	65
71	Polymer and Water Dynamics in Poly(vinyl alcohol)/Poly(methacrylate) Networks. A Molecular Dynamics Simulation and Incoherent Neutron Scattering Investigation. <i>Polymers</i> , 2011, 3, 1805-1832.	2.0	21
72	A new viscosupplement based on partially hydrophobic hyaluronic acid: A comparative study. <i>Biorheology</i> , 2011, 48, 263-275.	1.2	39

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73	Targeting Tumor Cells through Chitosan-Folate Modified Microcapsules Loaded with Camptothecin. <i>Bioconjugate Chemistry</i> , 2011, 22, 1066-1072.	1.8	52
74	PVA engineered microcapsules for targeted delivery of camptothecin to HeLa cells. <i>Materials Science and Engineering C</i> , 2011, 31, 1653-1659.	3.8	10
75	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
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	Toward Modeling Thermoresponsive Polymer Networks: A Molecular Dynamics Simulation Study of <i>N</i> -Isopropyl Acrylamide Co-oligomers. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8301-8312.	1.2	38
78	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
79	Design of Novel Polymer Shelled Ultrasound Contrast Agents: Towards an Ultrasound Triggered Drug Delivery. , 2010, , 25-39.		4
80	Characterization of Acoustic Properties of PVA-Shelled Ultrasound Contrast Agents. , 2010, , 99-108.		1
81	Adding Chemical Cross-Links to a Physical Hydrogel. <i>Molecules</i> , 2009, 14, 3662-3675.	1.7	12
82	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
83	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
84	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
85	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
86	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
87	Novel PVA-Based Hydrogel Microparticles for Doxorubicin Delivery. <i>Biomacromolecules</i> , 2008, 9, 1967-1973.	2.6	91
88	In situ characterization of gas-filled microballoons using soft X-ray microspectroscopy. <i>Soft Matter</i> , 2008, 4, 510.	1.2	47
89	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
90	Polymer Microbubbles As Diagnostic and Therapeutic Gas Delivery Device. <i>Chemistry of Materials</i> , 2008, 20, 3254-3258.	3.2	73

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91	Water and Polymer Dynamics in Chemically Cross-Linked Hydrogels of Poly(vinyl alcohol): A Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2820-2827.	1.2	93
92	Chaperone-like activity of nanoparticles of hydrophobized poly(vinyl alcohol). <i>Soft Matter</i> , 2007, 3, 718.	1.2	27
93	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
94	Tethering Functional Ligands onto Shell of Ultrasound Active Polymeric Microbubbles. <i>Biomacromolecules</i> , 2006, 7, 604-611.	2.6	72
95	Ligands Tethering to Biocompatible Ultrasound Active Polymeric Microbubbles Surface. <i>Macromolecular Symposia</i> , 2006, 234, 94-101.	0.4	10
96	Water, Solute, and Segmental Dynamics in Polysaccharide Hydrogels. <i>Macromolecular Bioscience</i> , 2006, 6, 579-589.	2.1	26
97	Soft Condensed Matter in Pharmaceutical Design. <i>Current Pharmaceutical Design</i> , 2006, 12, 1403-1419.	0.9	3
98	Exopolysaccharides of Two Cyanobacterial Strains from Roman Hypogea. <i>Geomicrobiology Journal</i> , 2006, 23, 301-310.	1.0	25
99	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
100	Proton fluctuations and water diffusion in dextran chemical hydrogels studied by incoherent elastic and quasielastic neutron scattering. <i>Carbohydrate Research</i> , 2005, 340, 921-927.	1.1	12
101	Exopolysaccharides in cyanobacterial biofilms from Roman catacombs. <i>Algological Studies</i> , 2005, 117, 117-132.	0.1	7
102	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
103	Stable Polymeric Microballoons as Multifunctional Device for Biomedical Uses: Synthesis and Characterization. <i>Langmuir</i> , 2005, 21, 8758-8764.	1.6	124
104	Structural fluctuations in cross-linked matrices with narrow pore size distribution. <i>Chemical Physics</i> , 2004, 302, 143-148.	0.9	11
105	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
106	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
107	Supercooled Water in PVA Matrixes: I. An Incoherent Quasi-Elastic Neutron Scattering (QENS) Study. <i>Journal of Physical Chemistry B</i> , 2003, 107, 8363-8371.	1.2	39
108	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

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109	Tailoring of Physical and Chemical Properties of Macro- and Microhydrogels Based on Telechelic PVA. <i>Biomacromolecules</i> , 2002, 3, 1255-1262.	2.6	61
110	A Conformational Study on the Algal Polysaccharide Ulvanâ€. <i>Macromolecules</i> , 2002, 35, 6404-6411.	2.2	63
111	Xanthan and Glucomannan Mixtures:Â Synergistic Interactions and Gelation. <i>Biomacromolecules</i> , 2002, 3, 498-504.	2.6	79
112	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
113	Conformational Dynamics of Hyaluronan in Solution. 1. A <sup>13</sup> C NMR Study of Oligomers. <i>Macromolecules</i> , 2001, 34, 99-109.	2.2	21
114	Conformational Study of the Diastereomeric Pairs in Poly(lysine)â~Pectate Complexes. <i>Macromolecules</i> , 2001, 34, 8179-8186.	2.2	9
115	Incoherent quasi-elastic neutron scattering study of chemical hydrogels based on poly(vinyl Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.3	14
116	High-frequency dielectric study of side-chain dynamics in poly(lysine) aqueous solutions. <i>Biopolymers</i> , 2000, 53, 129-134.	1.2	16
117	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
118	Polysaccharides as a key step in stone bio-erosion. , 2000, , 425-432.		6
119	Study of the interactions ofD- andL-polylysine enantiomers with pectate in aqueous solutions. , 1999, 50, 201-209.		17
120	Physicochemical characterization of chemical hydrogels based on PVA. , 1999, 37, 1225-1233.		18
121	Structural and thermodynamic features of the polyhydroxybutyrate physical gels. <i>Macromolecular Symposia</i> , 1999, 138, 165-174.	0.4	9
122	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
123	Side-chain dynamics in poly(Î±-glutamate) and poly(Î³-glutamate) aqueous solutions: a high-frequency dielectric investigation. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 1555-1561.	1.3	15
124	A physico-chemical study on the polysaccharide ulvan from hot water extraction of the macroalga Ulva. <i>International Journal of Biological Macromolecules</i> , 1999, 25, 309-315.	3.6	71
125	Networks based on chitosan and oxidized cyclodextrinâ€”II. Structural and catalytic features of a copper (II)-loaded network. <i>Polymer Gels and Networks</i> , 1998, 5, 525-540.	0.6	23
126	New hydrogels based on carbohydrate and on carbohydrate-synthetic polymer networks. <i>Polymer Gels and Networks</i> , 1997, 5, 225-239.	0.6	48



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127	1H NMR relaxation study of a chitosan-cyclodextrin network. Carbohydrate Research, 1997, 300, 77-84.	1.1	40
128	Counterion condensation in xanthan aqueous solutions in the semidilute and concentrated regime. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1996, 100, 881-884.	0.9	0
129	A comparative study of the high-frequency dielectric properties of poly( $\alpha$ -glutamate) and poly( $\beta$ -glutamate) aqueous solutions. , 1996, 40, 485-494.		23
130	Dielectric properties of poly(3-hydroxybutyrate) gels in dimethylformamide. Polymer, 1996, 37, 3501-3507.	1.8	4
131	New chemical hydrogels based on poly(vinyl alcohol). Journal of Polymer Science Part A, 1996, 34, 3417-3425.	2.5	35
132	Conformational Changes of Xanthan in Salt-Free Aqueous Solutions: A Low-Frequency Electrical Conductivity Study. The Journal of Physical Chemistry, 1996, 100, 7148-7154.	2.9	4
133	Molecular dynamics in sodium poly (L-glutamate) aqueous solutions analyzed by means of the stretched exponential decay of the williams-watts function. Biopolymers, 1995, 36, 539-545.	1.2	6
134	Case Studies of Physical and Chemical Gels Based on Microbial Polysaccharides. Journal of Bioactive and Compatible Polymers, 1995, 10, 235-248.	0.8	9
135	Radiowave dielectric properties of xanthan in aqueous solutions. The Journal of Physical Chemistry, 1995, 99, 274-284.	2.9	11
136	A photometer for the measurement of elastically scattered light from macromolecules in solution. IEEE Transactions on Instrumentation and Measurement, 1994, 43, 553-557.	2.4	3
137	Effect of counterion concentration on the dielectric behavior of a polypeptidic chain in the helix-coil transition. Biopolymers, 1993, 33, 1029-1035.	1.2	0
138	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
139	Size and shape of macromolecules: Calculation of the scattering function for simple geometries. Journal of Chemical Education, 1993, 70, 440.	1.1	4
140	High-frequency dielectric relaxation measurements of side-chain dynamics of branched chitosan derivatives in aqueous solutions. Macromolecules, 1993, 26, 3363-3368.	2.2	10
141	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
142	Conformation transitions in aqueous solutions of poly(L-glutamic acid): a radiowave dielectric study. The Journal of Physical Chemistry, 1992, 96, 8194-8200.	2.9	5
143	Power-law Behavior in the Frequency dependence of the Electrical Conductivity of Poly(L-glutamic acid) in Aqueous Solution. Journal of Physical Chemistry, 1992, 96, 8194-8200.	0.9	1
144	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

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145	Chain dynamics in poly(L-glutamic acid) aqueous solutions as observed by means of frequency domain dielectric spectroscopy. <i>Macromolecules</i> , 1992, 25, 4206-4209.	2.2	11
146	Copper complexes immobilized to chitosan. <i>Journal of Inorganic Biochemistry</i> , 1992, 46, 109-118.	1.5	36
147	Dielectric behavior of polyelectrolyte solutions: the role of proton fluctuation. <i>The Journal of Physical Chemistry</i> , 1991, 95, 4883-4889.	2.9	16
148	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
149	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
150	Stereoselective electron transfer between chiral substrates and metal chelates anchored to polypeptides. <i>Biopolymers</i> , 1989, 28, 319-331.	1.2	8
151	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
152	Theoretical models of diastereomeric noncovalent electron-transfer complexes. A thermodynamic and conformational investigation. <i>The Journal of Physical Chemistry</i> , 1987, 91, 1546-1553.	2.9	21
153	Dielectric study of low-molecular weight mannan triacetate in chloroform. <i>International Journal of Biological Macromolecules</i> , 1987, 9, 95-97.	3.6	0
154	An electron diffraction study of the mannan I crystal and molecular structure. <i>Macromolecules</i> , 1987, 20, 2407-2413.	2.2	69
155	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
156	Chiral discrimination in the energetics of formation of diastereomeric adducts involving polypeptides. <i>Biopolymers</i> , 1986, 25, 1249-1258.	1.2	1
157	Energetics of formation of electron-transfer complexes between asymmetric species. <i>Journal of Inorganic Biochemistry</i> , 1986, 26, 281-287.	1.5	7
158	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
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