

Dmitry Grishenkov

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.

28 papers	428 citations	14 h-index	20 g-index
35 ext. papers	521 ext. citations	4.4 avg, IF	3.54 L-index

#	Paper	IF	Citations
28	Magnetite nanoparticles can be coupled to microbubbles to support multimodal imaging. <i>Biomacromolecules</i> , 2012 , 13, 1390-9	6.9	64
27	Graphene Meets Microbubbles: A Superior Contrast Agent for Photoacoustic Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16465-75	9.5	38
26	On the interplay of shell structure with low- and high-frequency mechanics of multifunctional magnetic microbubbles. <i>Soft Matter</i> , 2014 , 10, 214-26	3.6	38
25	Characterization of acoustic properties of PVA-shelled ultrasound contrast agents: linear properties (part I). <i>Ultrasound in Medicine and Biology</i> , 2009 , 35, 1127-38	3.5	36
24	MicroBubble activated acoustic cell sorting. <i>Biomedical Microdevices</i> , 2017 , 19, 23	3.7	27
23	In vitro contrast-enhanced ultrasound measurements of capillary microcirculation: comparison between polymer- and phospholipid-shelled microbubbles. <i>Ultrasonics</i> , 2011 , 51, 40-8	3.5	24
22	Review on Acoustic Droplet Vaporization in Ultrasound Diagnostics and Therapeutics. <i>BioMed Research International</i> , 2019 , 2019, 9480193	3	23
21	Characterization of acoustic properties of PVA-shelled ultrasound contrast agents: ultrasound-induced fracture (part II). <i>Ultrasound in Medicine and Biology</i> , 2009 , 35, 1139-47	3.5	23
20	Intensifying cavitating flows in microfluidic devices with poly(vinyl alcohol) (PVA) microbubbles. <i>Physics of Fluids</i> , 2018 , 30, 102001	4.4	19
19	A general strategy for obtaining biodegradable polymer shelled microbubbles as theranostic devices. <i>Chemical Communications</i> , 2013 , 49, 5763-5	5.8	17
18	Facile hydrodynamic cavitation ON CHIP via cellulose nanofibers stabilized perfluorodroplets inside layer-by-layer assembled SLIPS surfaces. <i>Chemical Engineering Journal</i> , 2020 , 382, 122809	14.7	15
17	Energy harvesting with micro scale hydrodynamic cavitation-thermoelectric generation coupling. <i>AIP Advances</i> , 2019 , 9, 105012	1.5	14
16	Ultrasound contrast agent loaded with nitric oxide as a theranostic microdevice. <i>Drug Design, Development and Therapy</i> , 2015 , 9, 2409-19	4.4	14
15	Acoustic characterization and contrast imaging of microbubbles encapsulated by polymeric shells coated or filled with magnetic nanoparticles. <i>Journal of the Acoustical Society of America</i> , 2013 , 134, 3918-30	12.3	14
14	Characterization of ultrasound-induced fracture of polymer-shelled ultrasonic contrast agents by correlation analysis. <i>Journal of the Acoustical Society of America</i> , 2007 , 122, 2425-30	2.2	12
13	Investigation of polymer-shelled microbubble motions in acoustophoresis. <i>Ultrasonics</i> , 2016 , 70, 275-83	3.5	12
12	Unravelling the Acoustic and Thermal Responses of Perfluorocarbon Liquid Droplets Stabilized with Cellulose Nanofibers. <i>Langmuir</i> , 2019 , 35, 13090-13099	4	7

11	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, 451-62	3.2	7
10	Assessment of the viscoelastic and oscillation properties of a nano-engineered multimodality contrast agent. <i>Ultrasound in Medicine and Biology</i> , 2014 , 40, 2476-87	3.5	7
9	Effect of intensified cavitation using poly(vinyl alcohol) microbubbles on spray atomization characteristics in microscale. <i>AIP Advances</i> , 2020 , 10, 025318	1.5	4
8	Design and fabrication of a vigorous "cavitation-on-a-chip" device with a multiple microchannel configuration. <i>Microsystems and Nanoengineering</i> , 2021 , 7, 44	7.7	4
7	Modeling and parametric investigation of thick encapsulated microbubble's nonspherical oscillations. <i>Journal of the Acoustical Society of America</i> , 2016 , 140, 3884	2.2	4
6	Chemical effects in Hydrodynamic cavitation on a chip—The role of cavitating flow patterns. <i>Chemical Engineering Journal</i> , 2022 , 445, 136734	14.7	2
5	Characterization of Acoustic Properties of PVA-Shelled Ultrasound Contrast Agents 2010 , 99-108		1
4	A Study on the Acoustic Response of Pickering Perfluoropentane Droplets in Different Media. <i>ACS Omega</i> , 2021 , 6, 5670-5678	3.9	1
3	In Search of the Optimal Heart Perfusion Ultrasound Imaging Platform. <i>Journal of Ultrasound in Medicine</i> , 2015 , 34, 1599-605	2.9	0
2	On the Development of a Novel Contrast Pulse Sequence for Polymer-Shelled Microbubbles. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021 , 68, 1569-1579	3.2	0
1	Deriving acoustic properties for perfluoropentane droplets with viscoelastic cellulose nanofiber shell via numerical simulations. <i>Journal of the Acoustical Society of America</i> , 2021 , 150, 1750	2.2	0