

# Ivan B Meshkov

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

402  
citations

759233

12  
h-index

794594

19  
g-index

38  
all docs

38  
docs citations

38  
times ranked

311  
citing authors

#	ARTICLE	IF	CITATIONS
1	Macromolecular nano-objects as a promising direction of polymer chemistry. <i>Polymer Science - Series C</i> , 2011, 53, 48-60.	1.7	50
2	Hybrid organo-inorganic globular nanospecies: Transition from macromolecule to particle. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4310-4322.	2.3	34
3	Synthesis of the first hyperbranched polyorganoethoxysilsesquioxanes and their chemical transformations to functional core-shell nanogel systems. <i>Polymer International</i> , 2016, 65, 72-83.	3.1	28
4	Simple and fast method for producing flexible superhydrophobic aerogels by direct formation of thiol-ene networks in scCO <sub>2</sub> . <i>Polymer</i> , 2018, 138, 255-266.	3.8	27
5	Synthesis and Photophysical Properties of Alkoxysilyl Derivatives of Dibenzoylmethanoboron Difluoride. <i>Heteroatom Chemistry</i> , 2013, 24, 271-282.	0.7	20
6	Silica nanoparticles with covalently attached fluorophore as selective analyte-responsive supramolecular chemoreceptors. <i>Nanotechnologies in Russia</i> , 2012, 7, 6-14.	0.7	19
7	Synthesis and Characterization of Hybrid Core-Shell Systems Based on Molecular Silicasols. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012, 22, 564-576.	3.7	19
8	Novel polyolefin/silicon dioxide/H <sub>3</sub> PO <sub>4</sub> composite membranes with spatially heterogeneous structure for phosphoric acid fuel cell. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 4132-4143.	7.1	19
9	Polyfunctional branched metallosiloxane oligomers and composites based on them. <i>Journal of Organometallic Chemistry</i> , 2018, 868, 112-121.	1.8	19
10	New Principles of Polymer Composite Preparation. MQ Copolymers as an Active Molecular Filler for Polydimethylsiloxane Rubbers. <i>Polymers</i> , 2021, 13, 2848.	4.5	18
11	Polypropylene/Silicate Composites on the Basis of Crazed Polymer and Hyperbranched Polyethoxysiloxane. <i>Macromolecules</i> , 2007, 40, 9111-9115.	4.8	17
12	Phase state and rheology of polyisobutylene mixtures with decyl surface modified silica nanoparticles. <i>Polymer Science - Series A</i> , 2014, 56, 798-811.	1.0	17
13	Preparation of chemosensor materials based on silica nanoparticles with covalently anchored fluorophores by inkjet printing. <i>Nanotechnologies in Russia</i> , 2016, 11, 444-453.	0.7	13
14	Rheological and relaxation properties of MQ copolymers. <i>Polymer Science - Series A</i> , 2012, 54, 177-186.	1.0	10
15	Solution Behavior of Hyperbranched Polymethylsilsesquioxane with Intramolecular Cycles. <i>International Journal of Polymer Analysis and Characterization</i> , 2015, 20, 268-276.	1.9	10
16	Novel Cross-Linked Luminescent Silicone Composites Based on Reactive Nanostructured Organosilicon Luminophores. <i>Silicon</i> , 2015, 7, 191-200.	3.3	10
17	Hydrolytic polycondensation of methylalkoxysilanes under pressure. <i>Russian Chemical Bulletin</i> , 2016, 65, 1104-1109.	1.5	10
18	Phase state and rheology of organosilicon nanocomposites with functionalized hyperbranched nanoparticles. <i>Polymer Science - Series A</i> , 2016, 58, 987-995.	1.0	7

#	ARTICLE	IF	CITATIONS
19	Investigation of the structure of a polyimide modified by hyperbranched polyorganosiloxanes. Journal of Surface Investigation, 2012, 6, 760-763.	0.5	6
20	Calorimetric study of siloxane dendrimer of the third generation with trimethylsilyl terminal groups. Journal of Thermal Analysis and Calorimetry, 2019, 138, 3301-3310.	3.6	6
21	Crazing of polymers in the presence of hyperbranched poly(ethoxysiloxane). Polymer Science - Series A, 2007, 49, 1107-1113.	1.0	5
22	Silicone aerogels with tunable mechanical properties obtained via hydrosilylation reaction in supercritical CO <sub>2</sub> . Journal of Supercritical Fluids, 2019, 149, 120-126.	3.2	5
23	Preparing film composites based on crazed polymers and silica sol nanoparticles. Nanotechnologies in Russia, 2009, 4, 736-740.	0.7	4
24	Multiferroic based on nanoparticles consisting of a silica nucleus and a shell of spin-variable iron complexes. JETP Letters, 2017, 106, 51-56.	1.4	4
25	Aluminum Phthalocyanine on Silica Nanoparticles: Aggregation and Excited States. Macromolecules, 2015, 48, 279-283.	0.5	4
26	Structure of polylactide-modified silicasol nanocomposites based on thermodynamically compatible components. Nanotechnologies in Russia, 2013, 8, 644-654.	0.7	3
27	Nanocomposites based on polyethylene and modified silica phase. Nanotechnologies in Russia, 2015, 10, 888-895.	0.7	3
28	Polyethylene-Silica Nanocomposites with the Structure of Semi-Interpenetrating Networks. Macromolecular Materials and Engineering, 2019, 304, 1900-1910.	3.6	3
29	Reproduction of the shape of nanodisperse particles from small-angle X-ray scattering data without use of a priori information. Doklady Chemistry, 2006, 411, 202-205.	0.9	2
30	Estimating the strain-strength characteristics of nanothick nonmetallic coatings deposited onto poly(ethylene terephthalate) films. Polymer Science - Series A, 2011, 53, 303-310.	1.0	2
31	Synthesis of siloxane nanogel with phenylboronic functional groups. Phosphorus, Sulfur and Silicon and the Related Elements, 2020, 195, 893-894.	1.6	2
32	The self-diffusion of polymethylsilsesquioxane (PMSSO) dendrimers in diluted solutions and melts. Soft Matter, 2020, 16, 9712-9725.	2.7	2
33	New types of hyperbranched 1,2,3-triazole-alkoxysiloxane functional polymers for metal embedded nanocomposite surface coatings. Soft Matter, 2022, , .	2.7	2
34	Properties of ultrahighly filled composites based on polymers and ground rubber. Polymer Science - Series A, 2006, 48, 64-71.	1.0	1
35	Thermodynamic properties of polymethylsilsesquioxane nanogels with blocking trimethylsilyl groups. Journal of Chemical Thermodynamics, 2019, 131, 572-582.	2.0	1
36	Molecular silicasol-based barrier coatings for organic electronics. Nanotechnologies in Russia, 2016, 11, 617-624.	0.7	0