

Vladimir K Popov

List of Publications by Year in descending order

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37
papers

1,200
citations

394286

19
h-index

414303

32
g-index

37
all docs

37
docs citations

37
times ranked

1521
citing authors

#	ARTICLE	IF	CITATIONS
1	PLGA Carriers for Controlled Release of Levofloxacin in Anti-Tuberculosis Therapy. <i>Pharmaceutics</i> , 2022, 14, 1275.	2.0	7
2	Wide-Ranging Multitool Study of Structure and Porosity of PLGA Scaffolds for Tissue Engineering. <i>Polymers</i> , 2021, 13, 1021.	2.0	7
3	Thermographic analysis of postoperative changes in the nasal breathing efficiency in infants and young children with unilateral cleft lip. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 2225-2234.	1.7	0
4	<i>In Vitro</i> and <i>In Vivo</i> Analysis of Adhesive, Anti-Inflammatory, and Proangiogenic Properties of Novel 3D Printed Hyaluronic Acid Glycidyl Methacrylate Hydrogel Scaffolds for Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5744-5757.	2.6	22
5	3D Printed Gene-activated Octacalcium Phosphate Implants for Large Bone Defects Engineering. <i>International Journal of Bioprinting</i> , 2020, 6, 275.	1.7	22
6	Laboratory 3D printing system. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 68.	0.2	1
7	Flavin mononucleotide photoinitiated cross-linking of hydrogels: Polymer concentration threshold of strengthening. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 341, 108-114.	2.0	18
8	3D printing of PLGA scaffolds for tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 104-109.	2.1	52
9	3D printing of mineral-polymer bone substitutes based on sodium alginate and calcium phosphate. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1794-1799.	1.5	37
10	3D Printing of Octacalcium Phosphate Bone Substitutes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 81.	2.0	40
11	Osteogenic Differentiation of Human Mesenchymal Stem Cells in 3-D Zr-Si Organic-Inorganic Scaffolds Produced by Two-Photon Polymerization Technique. <i>PLoS ONE</i> , 2015, 10, e0118164.	1.1	79
12	Calcium phosphate blossom for bone tissue engineering. <i>Materials Today</i> , 2014, 17, 96-97.	8.3	11
13	3D fabrication of all-polymer conductive microstructures by two photon polymerization. <i>Optics Express</i> , 2013, 21, 31029.	1.7	45
14	A route to diffusion embedding of CdSe/CdS quantum dots in fluoropolymer microparticles. <i>Green Chemistry</i> , 2011, 13, 2696.	4.6	20
15	Biocompatibility and osteogenic potential of human fetal femur-derived cells on surface selective laser sintered scaffolds. <i>Acta Biomaterialia</i> , 2009, 5, 2063-2071.	4.1	68
16	In vitro study of hydroxyapatite-based photocurable polymer composites prepared by laser stereolithography and supercritical fluid extraction. <i>Acta Biomaterialia</i> , 2008, 4, 1603-1610.	4.1	35
17	<i>Laser rapid prototyping for tissue engineering and regeneration</i> . , 2007, , .		0
18	Supercritical carbon dioxide: putting the fizz into biomaterials. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 249-261.	1.6	70

#	ARTICLE	IF	CITATIONS
19	Three-Dimensional Bioactive and Biodegradable Scaffolds Fabricated by Surface-Selective Laser Sintering. <i>Advanced Materials</i> , 2005, 17, 327-330.	11.1	130
20	CARS spectroscopy of carbon dioxide in the critical point vicinity. <i>Quantum Electronics</i> , 2004, 34, 86-90.	0.3	3
21	Determining phase boundaries and vapour/liquid critical points in supercritical fluids: a multi-technique approach. <i>Journal of Supercritical Fluids</i> , 2004, 30, 259-272.	1.6	20
22	The fibre optic reflectometer: A new and simple probe for refractive index and phase separation measurements in gases, liquids and supercritical fluids. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 1258.	1.3	48
23	Computer biomodeling and laser stereolithography. , 2004, , .		2
24	Novel approach to fabrication of highly doped nanoporous glasses. , 2003, , .		0
25	<title>Optical properties of CO$\times 2$ in the vicinity of critical point</title>. , 2002, 4705, 129.		3
26	Supercritical fluid mixing: preparation of thermally sensitive polymer composites containing bioactive materials. <i>Chemical Communications</i> , 2001, , 109-110.	2.2	191
27	Dielectrometry in Supercritical Fluids. A New Approach to the Measurement of Solubility and Study of Dipole Moment Behavior of Polar Compounds. <i>Journal of Physical Chemistry B</i> , 1997, 101, 2929-2932.	1.2	14
28	Probing Vapor/Liquid Equilibria of Near-Critical Binary Gas Mixtures by Acoustic Measurements. <i>The Journal of Physical Chemistry</i> , 1996, 100, 9522-9526.	2.9	55
29	Energetics of the Reactions of $(\eta^6\text{-C}_6\text{H}_6)\text{Cr}(\text{CO})_3$ with n-Heptane, N ₂ , and H ₂ Studied by High-Pressure Photoacoustic Calorimetry. <i>The Journal of Physical Chemistry</i> , 1996, 100, 19425-19429.	2.9	23
30	The morphological stability in supercritical fluid chemical deposition of films near the critical point. <i>Journal of Crystal Growth</i> , 1995, 155, 276-285.	0.7	23
31	Photoacoustic Calorimetry at High Pressure: A New Approach to Determination of Bond Strengths. Estimation of the M-L Bond Dissociation Energy of $\text{M}(\text{CO})_5\text{L}$ (M = Cr, Mo; L = H ₂ , N ₂) in n-Heptane Solution. <i>The Journal of Physical Chemistry</i> , 1995, 99, 12016-12020.	2.9	30
32	Acoustic and photoacoustic measurements in supercritical fluids; a new approach to determining the critical point of mixtures. <i>Journal of Supercritical Fluids</i> , 1994, 7, 69-73.	1.6	17
33	Can High-Pressure Raman Spectroscopy Be Simplified? A Microscale Optical-Fiber Capillary Cell for the Study of Supercritical Fluids. <i>Applied Spectroscopy</i> , 1994, 48, 214-218.	1.2	26
34	Infrared spectroscopic study of the photochemical substitution and oxidative addition reactions of $(\eta^5\text{-C}_5\text{R}_5)\text{M}(\text{CO})_4$ compounds of group 5 metals: characterization of the products of reaction with nitrogen, hydrogen and $\text{HSiEt}_3\text{-xCl}_x$ and the kinetic investigation of $(\eta^5\text{-C}_5\text{R}_5)\text{M}(\text{CO})_3$ intermediates. <i>Journal of the American Chemical Society</i> , 1993, 115, 2286-2299.	6.6	65
35	Photoacoustic Calorimetric and Time-Resolved Infrared Studies on Unstable Dinitrogen and Dihydrogen Complexes in Hydrocarbon Solution; Estimation of VL Bond Dissociation Enthalpies in $(\eta^5\text{-C}_5\text{H}_5)\text{V}(\text{CO})_3\text{L}$ Compounds (L = N ₂ and $\eta^2\text{-H}_2$). <i>Mendeleev Communications</i> , 1991, 1, 145-148.	0.6	5
36	High-power excimer lasers and new sources of coherent radiation in the vacuum ultraviolet. <i>Uspekhi Fizicheskikh Nauk</i> , 1985, 28, 1031-1041.	0.3	7

#	ARTICLE	IF	CITATIONS
37	Dependences of the parameters of an optoacoustic signal on the radius of the excited region. Soviet Journal of Quantum Electronics, 1984, 14, 285-286.	0.1	4