

Victor N Vasilets

List of Publications by Year in descending order

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22
papers

3,028
citations

687363

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713466

21
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23
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23
docs citations

23
times ranked

2735
citing authors

#	ARTICLE	IF	CITATIONS
1	Applied Plasma Medicine. Plasma Processes and Polymers, 2008, 5, 503-533.	3.0	1,790
2	Comparison of Direct and Indirect Effects of Non-Thermal Atmospheric-Pressure Plasma on Bacteria. Plasma Processes and Polymers, 2007, 4, 370-375.	3.0	487
3	Mechanism of Blood Coagulation by Nonthermal Atmospheric Pressure Dielectric Barrier Discharge Plasma. IEEE Transactions on Plasma Science, 2007, 35, 1559-1566.	1.3	270
4	Rapid Inactivation of Airborne Bacteria Using Atmospheric Pressure Dielectric Barrier Grating Discharge. IEEE Transactions on Plasma Science, 2007, 35, 1501-1510.	1.3	116
5	Effect of Dielectric Barrier Discharge Plasma on the Attachment and Proliferation of Osteoblasts Cultured over Poly(ϵ -caprolactone) Scaffolds. Plasma Processes and Polymers, 2008, 5, 58-66.	3.0	86
6	Heating Effect of Dielectric Barrier Discharges for Direct Medical Treatment. IEEE Transactions on Plasma Science, 2009, 37, 113-120.	1.3	48
7	Inactivation of Bacteria in Flight by Direct Exposure to Nonthermal Plasma. IEEE Transactions on Plasma Science, 2010, 38, 3234-3240.	1.3	46
8	Surface oxidation of cellulose fibers by vacuum ultraviolet irradiation. Journal of Polymer Science Part A, 1999, 37, 357-361.	2.3	33
9	Air plasma-generated nitric oxide in treatment of skin scars and articular musculoskeletal disorders: Preliminary review of observations. Clinical Plasma Medicine, 2015, 3, 32-39.	3.2	23
10	A Comparative Mass Spectrometric Study of Plasma and Vacuum Ultraviolet Ablation of Selected Polymers. Plasma Processes and Polymers, 2010, 7, 431-444.	3.0	22
11	Influence of crosslinking conditions on the phase behavior of a polyacrylate-based liquid-crystalline elastomer. Macromolecular Rapid Communications, 1996, 17, 43-49.	3.9	21
12	Polymer composites prepared by low-temperature post-irradiation polymerization of $C_{2}F_{4}$ in the presence of graphene-like material: synthesis and characterization. RSC Advances, 2015, 5, 9865-9874.	3.6	20
13	Liquid Crystal Polymer Brush with Hydrogen Bonds: Structure and Orientation Behavior. Macromolecules, 2004, 37, 3685-3688.	4.8	14
14	Sandwich Structure Containing Liquid Crystal Polymer Grafted on Polymer Support. Polymers for Advanced Technologies, 1996, 7, 173-176.	3.2	12
15	Dose-dependent effect of plasma-chemical NO-containing gas flow on wound healing. An experimental study. Clinical Plasma Medicine, 2020, 19-20, 100101.	3.2	11
16	Nitric Oxide Plasma Sources for Bio-Decontamination and Plasma Therapy. NATO Science for Peace and Security Series A: Chemistry and Biology, 2012, , 393-402.	0.5	10
17	Review of clinical applications of nitric oxide-containing air-plasma gas flow generated by Plason device. Clinical Plasma Medicine, 2020, 19-20, 100112.	3.2	5
18	Orientational order of a nematic polymer grafted on polytetrafluoroethylene. Polymers for Advanced Technologies, 2000, 11, 330-333.	3.2	4

#	ARTICLE	IF	CITATIONS
19	Mechanism of Blood Coagulation by Non-Thermal Atmospheric Pressure Dielectric Barrier Discharge Plasma.. Blood, 2007, 110, 3162-3162.	1.4	3
20	Structure and properties of fullerite C ₆₀ intercalated with CH ₂ F ₂ . Physica Status Solidi - Rapid Research Letters, 2009, 3, 43-45.	2.4	1
21	Functionalization of Polymers using N ₂ Pulsed Dielectric Barrier Discharge. , 2007, , .		0
22	Plasma and vacuum ultraviolet assisted engineering of medical polymers. , 2008, , .		0