

Roman Grynyov

List of Publications by Year in descending order

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27
papers

1,076
citations

471371

17
h-index

552653

26
g-index

30
all docs

30
docs citations

30
times ranked

1415
citing authors

#	ARTICLE	IF	CITATIONS
1	Cold Radiofrequency Plasma Treatment Modifies Wettability and Germination Speed of Plant Seeds. <i>Scientific Reports</i> , 2012, 2, 741.	1.6	264
2	Interaction of cold radiofrequency plasma with seeds of beans (<i>Phaseolus vulgaris</i>). <i>Journal of Experimental Botany</i> , 2015, 66, 4013-4021.	2.4	130
3	Self-Propulsion of Liquid Marbles: Leidenfrost-like Levitation Driven by Marangoni Flow. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9910-9915.	1.5	127
4	Towards understanding hydrophobic recovery of plasma treated polymers: Storing in high polarity liquids suppresses hydrophobic recovery. <i>Applied Surface Science</i> , 2013, 273, 549-553.	3.1	76
5	Anomalous Surfactant-Induced Enhancement of Luminescence Quantum Yield of Cyanine Dye J-Aggregates. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14762-14768.	1.5	56
6	Robust technique allowing manufacturing superoleophobic surfaces. <i>Applied Surface Science</i> , 2013, 270, 98-103.	3.1	53
7	Elastic properties of liquid marbles. <i>Colloid and Polymer Science</i> , 2015, 293, 2157-2164.	1.0	47
8	Low voltage reversible electrowetting exploiting lubricated polymer honeycomb substrates. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	34
9	Hydrophilization of liquid surfaces by plasma treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 461, 225-230.	2.3	31
10	Superoleophobic Surfaces Obtained via Hierarchical Metallic Meshes. <i>Langmuir</i> , 2016, 32, 4134-4140.	1.6	31
11	Control of Exciton Migration Efficiency in Disordered <i>J</i> -Aggregates. <i>Journal of Physical Chemistry C</i> , 2010, 114, 1299-1305.	1.5	29
12	Robust Technique Allowing the Manufacture of Superoleophobic (Omniphobic) Metallic Surfaces. <i>Advanced Engineering Materials</i> , 2014, 16, 1127-1132.	1.6	26
13	Coherent Mechanism of Exciton Transport in Disordered J-Aggregates. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12883-12887.	1.5	23
14	Self-propulsion of a metallic superoleophobic micro-boat. <i>Journal of Colloid and Interface Science</i> , 2016, 479, 182-188.	5.0	23
15	Squaraine Dye as an Exciton Trap for Cyanine J-Aggregates in a Solution. <i>Journal of Physical Chemistry C</i> , 2008, 112, 20458-20462.	1.5	21
16	Plasma treatment induced wetting transitions on biological tissue (pigeon feathers). <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 367-371.	2.5	21
17	Strong difference between optical properties and morphologies for J-Aggregates of similar cyanine dyes. <i>Dyes and Pigments</i> , 2018, 152, 49-53.	2.0	18
18	Model of Formation of Ecological Competence of Future Engineers-Electromechanics. , 2021, , .		13

#	ARTICLE	IF	CITATIONS
19	Camphor-Engine-Driven Micro-Boat Guides Evolution of Chemical Gardens. <i>Scientific Reports</i> , 2017, 7, 3930.	1.6	12
20	Plasma treatment allows water suspending of the natural hydrophobic powder (lycopodium). <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 97, 171-174.	2.5	11
21	Phenomenological model of wetting charged dielectric surfaces and its testing with plasma-treated polymer films and inflatable balloons. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 487, 162-168.	2.3	9
22	Submerged (Under-Liquid) Floating of Light Objects. <i>Langmuir</i> , 2013, 29, 10700-10704.	1.6	5
23	Floating of heavy objects on liquid surfaces coated with colloidal particles. <i>Colloid and Polymer Science</i> , 2015, 293, 567-572.	1.0	5
24	How to grow a movable mini-garden in a droplet: Growing chemical gardens in a water and aqueous ethanol solutions droplets deposited on a superhydrophobic surface. <i>Colloids and Interface Science Communications</i> , 2015, 7, 12-15.	2.0	3
25	Porous CaCO ₃ carriers loaded with scintillation nanoparticles and photosensitizer molecules for photodynamic activation. <i>Microporous and Mesoporous Materials</i> , 2018, 263, 128-134.	2.2	3
26	Sagging ropes demonstrate transversality conditions of variational problems. <i>American Journal of Physics</i> , 2015, 83, 998-1002.	0.3	2
27	Simultaneous determination of thickness and refractive index using Cauchy or Sellmeier formulas by the example of surface plasmon resonance study on ultrathin polysulfone film. <i>International Journal of Polymer Analysis and Characterization</i> , 2021, 26, 661-667.	0.9	2