Roman Grynyov

List of Publications by Year
in descending order

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	Simultaneous determination of thickness and refractive index using Cauchy or Sellmeier formulas by the example of surface plasmon resonance study on ultrathin polysulfone film. International Journal of Polymer Analysis and Characterization, 2021, 26, 661-667.	0.9	2
2	Model of Formation of Ecological Competence of Future Engineers-Electromechanics. , 2021, , .		13
3	Strong difference between optical properties and morphologies for J-Aggregates of similar cyanine dyes. Dyes and Pigments, 2018, 152, 49-53.	2.0	18
4	Porous CaCO 3 carriers loaded with scintillation nanoparticles and photosensitizer molecules for photodynamic activation. Microporous and Mesoporous Materials, 2018, 263, 128-134.	2.2	3
5	Camphor-Engine-Driven Micro-Boat Guides Evolution of Chemical Gardens. Scientific Reports, 2017, 7, 3930.	1.6	12
6	Self-propulsion of a metallic superoleophobic micro-boat. Journal of Colloid and Interface Science, 2016, 479, 182-188.	5.0	23
7	Superoleophobic Surfaces Obtained via Hierarchical Metallic Meshes. Langmuir, 2016, 32, 4134-4140.	1.6	31
8	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. Colloids and Interface Science Communications, 2015, 7, 12-15.	2.0	3
9	Sagging ropes demonstrate transversality conditions of variational problems. American Journal of Physics, 2015, 83, 998-1002.	0.3	2
10	Elastic properties of liquid marbles. Colloid and Polymer Science, 2015, 293, 2157-2164.	1.0	47
11	Interaction of cold radiofrequency plasma with seeds of beans (Phaseolus vulgaris). Journal of Experimental Botany, 2015, 66, 4013-4021.	2.4	130
12	Self-Propulsion of Liquid Marbles: Leidenfrost-like Levitation Driven by Marangoni Flow. Journal of Physical Chemistry C, 2015, 119, 9910-9915.	1.5	127
13	Phenomenological model of wetting charged dielectric surfaces and its testing with plasma-treated polymer films and inflatable balloons. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 487, 162-168.	2.3	9
14	Floating of heavy objects on liquid surfaces coated with colloidal particles. Colloid and Polymer Science, 2015, 293, 567-572.	1.0	5
15	Robust Technique Allowing the Manufacture of Superoleophobic (Omniphobic) Metallic Surfaces. Advanced Engineering Materials, 2014, 16, 1127-1132.	1.6	26
16	Hydrophilization of liquid surfaces by plasma treatment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 461, 225-230.	2.3	31
17	Low voltage reversible electrowetting exploiting lubricated polymer honeycomb substrates. Applied Physics Letters, 2014, 104, .	1.5	34
18	Robust technique allowing manufacturing superoleophobic surfaces. Applied Surface Science, 2013, 270, 98-103.	3.1	53

#	Article	IF	Citations
19	Submerged (Under-Liquid) Floating of Light Objects. Langmuir, 2013, 29, 10700-10704.	1.6	5
20	Towards understanding hydrophobic recovery of plasma treated polymers: Storing in high polarity liquids suppresses hydrophobic recovery. Applied Surface Science, 2013, 273, 549-553.	3.1	76
21	Cold Radiofrequency Plasma Treatment Modifies Wettability and Germination Speed of Plant Seeds. Scientific Reports, 2012, 2, 741.	1.6	264
22	Plasma treatment induced wetting transitions on biological tissue (pigeon feathers). Colloids and Surfaces B: Biointerfaces, 2012, 92, 367-371.	2.5	21
23	Plasma treatment allows water suspending of the natural hydrophobic powder (lycopodium). Colloids and Surfaces B: Biointerfaces, 2012, 97, 171-174.	2.5	11
24	Control of Exciton Migration Efficiency in Disordered J-Aggregates. Journal of Physical Chemistry C, 2010, 114, 1299-1305.	1.5	29
25	Coherent Mechanism of Exciton Transport in Disordered J-Aggregates. Journal of Physical Chemistry C, 2009, 113, 12883-12887.	1.5	23
26	Squaraine Dye as an Exciton Trap for Cyanine J-Aggregates in a Solution. Journal of Physical Chemistry C, 2008, 112, 20458-20462.	1.5	21
27	Anomalous Surfactant-Induced Enhancement of Luminescence Quantum Yield of Cyanine Dye J-Aggregates. Journal of Physical Chemistry C, 2008, 112, 14762-14768.	1.5	56