Ilya Baymler

List of Publications by Year
in descending order

19	315	840585 11	940416 16
papers	citations	h-index	g-index

19	19	19	174
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Case Report: Investigation of the Time Evolution of Optical Breakdown Plasma During Irradiation of Aqueous Solutions of Fe Nanoparticles. Frontiers in Physics, 2021, 9, .	1.0	4
2	Features of optical breakdown of aqueous colloidal solutions of ferric oxide (Fe2O3) nanoparticles occurring on individual or on two closely located nanoparticles. Chemical Physics Letters, 2021, 776, 138697.	1.2	6
3	Investigation of the laser-induced breakdown plasma, acoustic vibrations and dissociation processes of water molecules caused by laser breakdown of colloidal solutions containing Ni nanoparticles. Plasma Sources Science and Technology, 2021, 30, 125015.	1.3	16
4	Influence of the Concentration of Fe and Cu Nanoparticles on the Dynamics of the Size Distribution of Nanoparticles. Frontiers in Physics, 2020, 8, .	1.0	14
5	Study of the physicochemical and biological properties of the new promising Tiâ€“20Nbâ€“13Taâ€“5Zr alloy for biomedical applications. Materials Chemistry and Physics, 2020, 255, 123557.	2.0	23
6	Laser ablation method for the generation of chromium, iron, manganese, nickel, scandium, titanium and vanadium, nanoparticles: control of size and properties. IOP Conference Series: Materials Science and Engineering, 2020, 921, 012024.	0.3	0
7	A quick method for size estimating of â€œgreen areasâ€•in aerial photography. Journal of Physics: Conference Series, 2020, 1560, 012072.	0.3	0
8	Generation of Hydroxyl Radicals during Laser Breakdown of Aqueous Solutions in the Presence of Fe and Cu Nanoparticles of Different Sizes. Physics of Wave Phenomena, 2020, 28, 107-110.	0.3	21
9	Water Decomposition Occurring During Laser Breakdown of Aqueous Solutions Containing Individual Gold, Zirconium, Molybdenum, Iron or Nickel Nanoparticles. Frontiers in Physics, 2020, 8, .	1.0	19
10	Analysis of Acoustic Signals During the Optical Breakdown of Aqueous Solutions of Fe Nanoparticles. Frontiers in Physics, 2020, 8, .	1.0	11
11	Effect of Mechanical Shaking on the Physicochemical Properties of Aqueous Solutions. International Journal of Molecular Sciences, 2020, 21, 8033.	1.8	57
12	Concentration Dependences of Molecular Oxygen and Hydrogen in Aqueous Solutions. Doklady Physics, 2020, 65, 5-7.	0.2	13
13	Biodegradable stent coatings on the basis of PLGA polymers of different molecular mass, sustaining a steady release of the thrombolityc enzyme streptokinase. Reactive and Functional Polymers, 2020, 150, 104550.	2.0	23
14	Influence of a Constant Magnetic Field on Some Properties of Water Solutions. Doklady Physics, 2020, 65, 273-275.	0.2	30
15	Influence of Gases Dissolved in Water on the Process of Optical Breakdown of Aqueous Solutions of Cu Nanoparticles. Frontiers in Physics, 2020, 8, .	1.0	11
16	The Effect of Gold Nanoparticle Concentration and Laser Fluence on the Laser-Induced Water Decomposition. Journal of Physical Chemistry B, 2019, 123, 1869-1880.	1.2	51
17	Creation and application of fluoropolymer photoconversion films for greenhouses: Concept.. IOP Conference Series: Materials Science and Engineering, 2019, 525, 012087.	0.3	0
18	Obtaining of nanoparticles of Sc, Ti, V, Cr, Mn, Fe, Co, Ni with controlled sizes and properties using laser ablation. IOP Conference Series: Earth and Environmental Science, 2019, 390, 012036.	0.2	1

#	Article	IF	Citations
19	Generation of hydrogen under laser irradiation of organic liquids. Quantum Electronics, 2018, 48, 738-742.	0.3	15