Mikhail Tsvetkov

List of Publications by Year
in descending order

31	356	933447 10	839539 18
papers	citations	h-index	g-index

31	31	31	468
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	From nanoparticles generation to nanostructures diversity at thermoplasmonics laser-induced backside wet etching of sapphire. Applied Surface Science, 2021, 536, 147837.	6.1	4
2	A Nanoscale Modification of Materials at Thermoplasmonic Laser-Induced Backside Wet Etching of Sapphire. Plasmonics, 2020, 15, 599-608.	3.4	7
3	Efficiency of laser-induced backside wet microstructuring of sapphire increases with pressure. Laser Physics Letters, 2019, 16, 086001.	1.4	3
4	Thermoplasmonic laser-induced backside wet etching of sapphire. Quantum Electronics, 2019, 49, 133-140.	1.0	11
5	Improving the efficiency of laser-induced backside wet etching of optically transparent materials as a result of generation of carbon and silver nanoparticles. Nanotechnologies in Russia, 2017, 12, 86-97.	0.7	5
6	[INVITED] On the mechanisms of single-pulse laser-induced backside wet etching. Optics and Laser Technology, 2017, 88, 17-23.	4.6	17
7	On the Role of Supercritical Water in Laser-Induced Backside Wet Etching of Glass. Russian Journal of Physical Chemistry B, 2017, 11, 1061-1069.	1.3	8
8	Etching of Sapphire in Supercritical Water at Ultrahigh Temperatures and Pressures under the Conditions of Pulsed Laser Thermoplasmonics. Russian Journal of Physical Chemistry B, 2017, 11, 1288-1295.	1.3	8
9	Effects of thermo-plasmonics on laser-induced backside wet etching of silicate glass. Laser Physics Letters, 2016, 13, 106001.	1.4	11
10	Ag on carbon nanowalls mesostructures for SERS. , 2015, , .		4
11	Large-scale high-quality 2D silica crystals: dip-drawing formation and decoration with gold nanorods and nanospheres for SERS analysis. Nanotechnology, 2014, 25, 405602.	2.6	18
12	Surface-Enhanced Raman Scattering Substrates Based on Self-Assembled PEGylated Gold and Goldâ€“Silver Coreâ€“Shell Nanorods. Journal of Physical Chemistry C, 2013, 117, 23162-23171.	3.1	56
13	Gold nanorods as a perspective technology platform for SERS analytics. Russian Journal of General Chemistry, 2013, 83, 2203-2211.	0.8	4
14	Optical, magnetic, and dielectric properties of opal matrices with intersphere nanocavities filled with crystalline multiferroic, piezoelectric, and segnetoelectric materials. Russian Journal of General Chemistry, 2013, 83, 2132-2147.	0.8	7
15	Thermostimulated formation of silver and gold nanoparticles in porous silicon dioxide matrices. Russian Journal of General Chemistry, 2013, 83, 2212-2216.	0.8	3
16	Periodontitis diagnostics using resonance Raman spectroscopy on saliva. Laser Physics Letters, 2013, 10, 075610.	1.4	13
17	SERS substrates formed by gold nanorods deposited on colloidal silica films. Nanoscale Research Letters, 2013, 8, 250.	5.7	42
18	Surface-enhanced raman scattering platforms on the basis of assembled gold nanorods. Nanotechnologies in Russia, 2012, 7, 359-369.	0.7	6

#	Article	IF	Citations
19	Spectroscopic investigations of nanoporous SiO2 impregnated with Ag Î²-diketonates from supercritical solution of carbon dioxide. Optical Materials, 2011, 34, 169-174.	3.6	4
20	Plasmon resonances of silver nanoparticles in silica based meso-structured films. Nanotechnologies in Russia, 2011, 6, 619-624.	0.7	7
21	Synthesis of silver nanocomposites by SCF impregnation of matrices of synthetic opal and Vycor glass by the Ag(hfac)COD precursor. Russian Journal of Physical Chemistry B, 2009, 3, 1106-1112.	1.3	17
22	THE FEATURES OF ERBIUM PHOTOLUMINESCENCE IN 2D AND 3D MESOSCOPIC STRUCTURES. , 2007, , .		0
23	‹title›Opal photonic crystals as fiber components‹/title›. , 2006, , .		0
24	Modification of erbium photoluminescence excitation spectra for the emission wavelength 1.54Î¼m in mesoscopic structures. Journal of Luminescence, 2006, 121, 217-221.	3.1	9
25	Erbium photoluminescence in opal matrix and porous anodic alumina nanocomposites. Microelectronic Engineering, 2005, 81, 273-280.	2.4	9
26	Erbium luminescence in 3D- and 2D-mesoporous matrices. , 2004, , .		2
27	Single Crystal SBN:Yb / Opal Matrix (SiO2):Er Composite as a Nanophotonic Structure. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2004, , 279-284.	0.1	0
28	Artificial opal structures for 3D-optoelectronics. Microelectronic Engineering, 2003, 69, 237-247.	2.4	17
29	Whispering-gallery waves in optical fibres. Quantum Electronics, 2002, 32, 738-742.	1.0	5
30	All-fibre interrogation technique for fibre Bragg sensors using a biconical fibre filter. Electronics Letters, 1996, 32, 382.	1.0	59
31	Rare-earth doped opal nanocomposites: technologies, photoluminescence and optimization. , 0, , .		0