

# Alexandre Michtchenko

## List of Publications by Year in descending order

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45  
papers

328  
citations

840776

11  
h-index

888059

17  
g-index

45  
all docs

45  
docs citations

45  
times ranked

310  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-discharge of a supercapacitor with electrodes based on activated carbon cloth. Journal of Electroanalytical Chemistry, 2022, 910, 116198.	3.8	5
2	Influence of treatment with hydrazine and subsequent annealing on the composition and thermophysical properties of polytetrafluoroethyleneâ€“graphene oxide composite aerogel. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	3
3	Carbon material with high specific surface area and high pseudocapacitance: Possible application in supercapacitors. Microporous and Mesoporous Materials, 2021, 319, 111063.	4.4	15
4	Groove Formation on Metal Substrates by Nanosecond Laser Removal of Melted Material. Metals, 2021, 11, 2026.	2.3	2
5	Preparation and Characterization of a Flexible rGOâ€“PTFE Film for a Supercapacitor Current Collector. Langmuir, 2020, 36, 8680-8686.	3.5	8
6	Novel Superhydrophobic Aerogel on the Base of Polytetrafluoroethylene. ACS Applied Materials & Interfaces, 2019, 11, 32517-32522.	8.0	26
7	Characterisation and electrical conductivity of polytetrafluoroethylene/graphite nanoplatelets composite films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	12
8	Hydrophilic and hydrophobic pores in reduced graphene oxide aerogel. Journal of Porous Materials, 2019, 26, 1111-1119.	2.6	16
9	Shearography as a tool to measure creep strain in sealing elastomers. Revista Mexicana De F�sica, 2019, 65, 583-589.	0.4	1
10	Preparation of graphene oxide-humic acid composite-based ink for printing thin film electrodes for micro-supercapacitors. Journal of Alloys and Compounds, 2018, 730, 88-95.	5.5	31
11	Properties of a granulated nitrogen-doped graphene oxide aerogel. Journal of Non-Crystalline Solids, 2018, 498, 236-243.	3.1	13
12	Hybrid porous carbon materials derived from composite of humic acid and graphene oxide. Microporous and Mesoporous Materials, 2017, 245, 24-30.	4.4	25
13	The effectiveness of shearography and digital image correlation for the study of creep in elastomers. Materials Research Express, 2017, 4, 115301.	1.6	6
14	Measurement of Youngâ€™s modulus and Poissonâ€™s ratio of metals by means of ESPI using a digital camera. European Journal of Physics, 2016, 37, 055708.	0.6	3
15	Optical Diagnostics Fungal and Virus Diseases of Plants. , 2015, , .		0
16	Biostimulation of the growth of wheat seeds produced by modulated pulsed diode lasers radiation. , 2014, , .		1
17	Composite material for supercapacitors formed by polymerization of aniline in the presence of graphene oxide nanosheets. Journal of Power Sources, 2013, 224, 195-201.	7.8	43
18	Efectos de Activaci�n e Inhibici�n en el Crecimiento del Coleoptilo y del Sistema Radicular de Semillas de Trigo Provocados por Radiaci�n L�ser Ultravioleta. Informacion Tecnologica (discontinued), 2012, 23, 93-98.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Laser diagnostics of fruits in storage. , 2012, , .		1
20	Response of plant organisms to laser irradiation of different spectral composition. Russian Agricultural Sciences, 2012, 38, 367-370.	0.2	6
21	Modification of the germination and the total length of wheat seedling by an infrared-continuous wave semiconductor laser. , 2012, , .		0
22	The Temperature Dependence of Chemical Shifts of Individual Peaks in the $^{13}\text{C}$ NMR Spectrum of the Fullerite $\text{C}_{60}$ , Doped with Molecular Oxygen. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 151-157.	0.2	0
23	Interaction of low level laser radiation with biological systems. , 2010, , .		0
24	Infrared laser radiation ( $\lambda=980\text{nm}$ ) application for photobiostimulation of wheat seeds (triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5		0
25	Thermal Deformation Analysis of Vibrated-Type Optical Fibers Sensors. , 2010, , .		2
26	Application of infrared-pulsed laser radiation with wavelength $\lambda=904\text{nm}$ to stimulate the growth of wheat seeds. , 2010, , .		0
27	Oxidation of $\text{C}_{60}$ Fullerite by Interstitial Oxygen. Journal of Physical Chemistry C, 2008, 112, 12096-12103.	3.1	9
28	Photobiostimulation effects caused by a high power IR laser with $\lambda=850\text{nm}$ in wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10		0
29	Photobiostimulation Effects Caused by Low Level Ultra-High Frequency ( $\nu=2.45\text{GHz}$ ) and Laser Radiation ( $\lambda=650\text{nm}$ and $\lambda=850\text{nm}$ ) in the Growth Stimulus of Biological Systems. , 2007, , .		0
30	GAS INTERSTITIAL FULLERENES PRECIPITATED FROM THE SOLUTION OF $\text{C}_{60}$ IN 1,2-DICHLOROBENZENE. , 2007, , 41-52.		0
31	Reconstruction of Refractive Index Profile of Optical Fibers by Near Field Technique. , 2006, , .		1
32	Laser irradiation effects on maize seed field performance. Seed Science and Technology, 2006, 34, 193-197.	1.4	35
33	Analysis of deformation for optical fibers vibrated-type sensors. , 2006, , .		1
34	Far Field Technique Applied in Single Mode Optical Fibers for Studying of Modal Field Diameter. , 2006, , .		0
35	Photobiostimulation Effects Caused for Low Level Laser Radiation with $\lambda=650\text{nm}$ in the Growth Stimulus of Biological Systems. , 2006, , .		1
36	The deformation analysis of optical fibers for vibrated-type sensors. , 2005, , .		0

#	ARTICLE	IF	CITATIONS
37	Photoacoustic spectroscopy applied to the study of the influence of laser irradiation on corn seeds. European Physical Journal Special Topics, 2005, 125, 853-855.	0.2	14
38	BLACK HOLES AND WORMHOLES IN RS2 TYPE BRANE WORLDS. International Journal of Modern Physics A, 2005, 20, 2256-2264.	1.5	3
39	SCALAR FIELD IN A MINIMALLY COUPLED BRANE WORLD: NO-HAIR AND OTHER NO-GO THEOREMS. International Journal of Modern Physics D, 2004, 13, 593-606.	2.1	2
40	On Spherically Symmetric Minimally Coupled Brane Worlds. General Relativity and Gravitation, 2004, 36, 1527-1535.	2.0	1
41	Scalar Fields in Multidimensional Gravity. No-Hair and Other No-Go Theorems. General Relativity and Gravitation, 2003, 35, 505-525.	2.0	15
42	Diagnostics of the medium structure by long wave of finite amplitude. International Journal of Non-Linear Mechanics, 2000, 35, 1105-1113.	2.6	5
43	An asymptotic averaged model of non-linear long waves propagation in media with a regular structure. International Journal of Non-Linear Mechanics, 1999, 34, 643-654.	2.6	6
44	Relationship between intracellular pH and antibiotic biosynthesis in Fusidium coccineum. Applied Microbiology and Biotechnology, 1995, 43, 514-517.	3.6	8
45	The quasiclassical approximation in Delosâ€”Thorson close-coupled equations for inelastic scattering. Chemical Physics Letters, 1993, 207, 250-256.	2.6	6