

# Elmira Solati

## List of Publications by Year in descending order

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21  
papers

624  
citations

623188

14  
h-index

752256

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

468  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of laser pulse energy and wavelength on the structure, morphology and optical properties of ZnO nanoparticles. <i>Optics and Laser Technology</i> , 2014, 58, 26-32.	2.2	75
2	Effects of laser pulse wavelength and laser fluence on the characteristics of silver nanoparticle generated by laser ablation. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 112, 689-694.	1.1	70
3	Photoluminescence of ZnO nanoparticles generated by laser ablation in deionized water. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 109, 307-314.	1.1	65
4	Comparison Between Silver and Gold Nanoparticles Prepared by Pulsed Laser Ablation in Distilled Water. <i>Journal of Cluster Science</i> , 2015, 26, 727-742.	1.7	63
5	Nonlinear optical properties of the mixture of ZnO nanoparticles and graphene nanosheets. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	46
6	Effect of Aqueous Ablation Environment on the Characteristics of ZnO Nanoparticles Produced by Laser Ablation. <i>Journal of Cluster Science</i> , 2016, 27, 127-138.	1.7	38
7	Effect of temperature on the characteristics of ZnO nanoparticles produced by laser ablation in water. <i>Bulletin of Materials Science</i> , 2016, 39, 1677-1684.	0.8	30
8	Effect of CTAB concentration on the properties of graphene nanosheet produced by laser ablation. <i>Optics and Laser Technology</i> , 2017, 97, 209-218.	2.2	30
9	Properties of Au/ZnO Nanocomposite Prepared by Laser Irradiation of the Mixture of Individual Colloids. <i>Journal of Cluster Science</i> , 2015, 26, 1743-1754.	1.7	28
10	Estimation of Lattice Strain in ZnO Nanoparticles Produced by Laser Ablation at Different Temperatures. <i>Journal of Applied Spectroscopy</i> , 2017, 84, 490-497.	0.3	27
11	Producing graphene nanosheets by pulsed laser ablation: Effects of liquid environment. <i>Journal of Laser Applications</i> , 2019, 31, .	0.8	22
12	Properties of Au/Copper oxide nanocomposite prepared by green laser irradiation of the mixture of individual suspensions. <i>Optical Materials</i> , 2018, 78, 388-395.	1.7	21
13	Effects of low temperature on the characteristics of tantalum thin films. <i>Vacuum</i> , 2011, 86, 51-55.	1.6	20
14	Using silicon nanoparticles to modify the surface of graphene nanosheets. <i>Materials Science in Semiconductor Processing</i> , 2018, 75, 75-83.	1.9	18
15	Investigation of the Structure and Properties of Nanoscale Grain-Size $\hat{2}$ -Tantalum Thin Films. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 571, 67-76.	0.4	14
16	Role of laser fluence in decoration of graphene nanosheets with TiO <sub>2</sub> nanoparticles by pulsed laser ablation method. <i>Journal of Alloys and Compounds</i> , 2021, 861, 157956.	2.8	14
17	Effects of wavelength and fluence on the graphene nanosheets produced by pulsed laser ablation. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	13
18	Effects of Liquid Ablation Environment on the Characteristics of TiO <sub>2</sub> Nanoparticles. <i>Journal of Cluster Science</i> , 2020, 31, 961-969.	1.7	12

#	ARTICLE	IF	CITATIONS
19	Effect of Laser Fluence on the Characteristics of Graphene Nanosheets Produced by Pulsed Laser Ablation in Water. Journal of Applied Spectroscopy, 2019, 86, 238-243.	0.3	11
20	Nonlinear optical response of graphene/silicon nanocomposites. Optical and Quantum Electronics, 2018, 50, 1.	1.5	7
21	Laser ablation assisted synthesis of graphene/CuO nanocomposite: effect of laser fluence. Materials Technology, 0, , 1-10.	1.5	0