

# Davoud Dorrnian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1847494/publications.pdf>

Version: 2024-02-01

158  
papers

2,654  
citations

218381

26  
h-index

276539

41  
g-index

160  
all docs

160  
docs citations

160  
times ranked

2145  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Ag-Nanoparticles Doped in Polyvinyl Alcohol on the Structural and Optical Properties of PVA Films. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-10.	1.5	146
2	Investigation of nitrogen plasma effect on the nonlinear optical properties of PMMA. <i>Journal of Theoretical and Applied Physics</i> , 2012, 6, 1.	1.4	145
3	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
4	Dust acoustic solitary waves in a dusty plasma with two kinds of nonthermal ions at different temperatures. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	70
5	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
6	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
7	Radiation from high-intensity ultrashort-laser-pulse and gas-jet magnetized plasma interaction. <i>Physical Review E</i> , 2003, 68, 026409.	0.8	63
8	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
9	Nonlinear responses and optical limiting behavior of Basic Violet 16 dye under CW laser illumination. <i>Optik</i> , 2009, 120, 1000-1006.	1.4	59
10	Effect of dye concentration on the optical properties of red-BS dye-doped PVA film. <i>Iranian Physical Journal</i> , 2014, 8, 117-121.	1.2	48
11	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
12	Effect of using cold plasma on dyeing properties of polypropylene fabrics. <i>Fibers and Polymers</i> , 2007, 8, 123-129.	1.1	44
13	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
14	Optical characterization of Cu <sub>3</sub> N thin film with Swanepoel method. <i>Journal of Theoretical and Applied Physics</i> , 2012, 6, 1.	1.4	36
15	Low-intensity UV effects on optical constants of PMMA film. <i>Iranian Physical Journal</i> , 2014, 8, 1.	1.2	36
16	Effect of aging on the properties of TiO <sub>2</sub> nanoparticle. <i>Iranian Physical Journal</i> , 2016, 10, 157-161.	1.2	34
17	Characterization of cobalt oxide nanoparticles produced by laser ablation method: Effects of laser fluence. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 115, 113670.	1.3	34
18	Generation of short pulse radiation from magnetized wake in gas-jet plasma and laser interaction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 331, 77-83.	0.9	32

#	ARTICLE	IF	CITATIONS
19	Beam shaping design for coupling high power diode laser stack to fiber. <i>Applied Optics</i> , 2011, 50, 2927.	2.1	32
20	Size-dependent nonlinear optical properties and thermal lens in silver nanoparticles. <i>Optik</i> , 2014, 125, 5612-5617.	1.4	30
21	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
22	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
23	Structural and optical properties of copper nitride thin films in a reactive Ar/N <sub>2</sub> magnetron sputtering system. <i>EPJ Applied Physics</i> , 2010, 50, 20503.	0.3	29
24	Original Article. Effect of cold plasma on degradation of organophosphorus pesticides used on some agricultural products. <i>Journal of Plant Protection Research</i> , 2016, 57, 25-35.	1.0	29
25	Synthesis and characterization of long-CNTs by electrical arc discharge in deionized water and NaCl solution. <i>International Nano Letters</i> , 2018, 8, 19-23.	2.3	29
26	Effect of obliqueness of external magnetic field on the characteristics of magnetized plasma wakefield. <i>Journal of Theoretical and Applied Physics</i> , 2013, 7, 43.	1.4	28
27	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
28	Effect of fluence on carbon nanostructures produced by laser ablation in liquid nitrogen. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	27
29	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
30	Relativistic effects in the interaction of high intensity ultra-short laser pulse with collisional underdense plasma. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	25
31	Influence of size and morphology on the optical properties of carbon nanostructures. <i>Iranian Physical Journal</i> , 2016, 10, 7-13.	1.2	25
32	Effect of laser fluence on the characteristics of Al nanoparticles produced by laser ablation in deionized water. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2015, 118, 472-481.	0.2	24
33	Water treatment by the AC gliding arc air plasma. <i>Iranian Physical Journal</i> , 2017, 11, 171-180.	1.2	24
34	Effect of Laser Fluence on the Characteristics of Ag Nanoparticles Produced by Laser Ablation. <i>Soft Nanoscience Letters</i> , 2013, 03, 93-100.	0.8	24
35	Microwave emission from TW-100 fs laser irradiation of gas jet. <i>Laser and Particle Beams</i> , 2005, 23, 583-596.	0.4	23
36	Effect of Laser Fluence on the Characteristics of ZnO Nanoparticles Produced by Laser Ablation in Acetone. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 607, 1-12.	0.4	23

#	ARTICLE	IF	CITATIONS
37	Effect of TiO <sub>2</sub> /Au nanocomposite on the optical properties of PVA film. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	1.5	23
38	Effect of CTAB concentration on the properties of ZnO nanoparticles produced by laser ablation method in CTAB solution. <i>Optics and Laser Technology</i> , 2018, 108, 372-377.	2.2	23
39	Nonlinear backward Raman scattering in the short laser pulse interaction with a cold underdense transversely magnetized plasma. <i>Laser and Particle Beams</i> , 2011, 29, 373-380.	0.4	22
40	Effect of aluminum nanoparticles on the linear and nonlinear optical properties of PVA. <i>Optical and Quantum Electronics</i> , 2017, 49, 1.	1.5	22
41	Producing graphene nanosheets by pulsed laser ablation: Effects of liquid environment. <i>Journal of Laser Applications</i> , 2019, 31, .	0.8	22
42	Effect of obliqueness and external magnetic field on the characteristics of dust acoustic solitary waves in dusty plasma with two-temperature nonthermal ions. <i>Iranian Physical Journal</i> , 2015, 9, 141-150.	1.2	21
43	Synthesis of CuS Nanoparticles by Laser Ablation Method in DMSO Media. <i>Journal of Cluster Science</i> , 2017, 28, 2753-2764.	1.7	21
44	Experimental investigation of the effects of different liquid environments on the graphene oxide produced by laser ablation method. <i>Optics and Laser Technology</i> , 2018, 103, 155-162.	2.2	21
45	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
46	Effects of low temperature on the characteristics of tantalum thin films. <i>Vacuum</i> , 2011, 86, 51-55.	1.6	20
47	Effects of the ZnSe concentration on the structural and optical properties of ZnSe/PVA nanocomposite thin film. <i>Journal of Physics and Chemistry of Solids</i> , 2014, 75, 1187-1193.	1.9	19
48	Role of superthermality on dust acoustic structures in the frame of a modified Zakharovâ€“Kuznetsov equation in magnetized dusty plasma. <i>Physica Scripta</i> , 2015, 90, 035603.	1.2	19
49	Effects of CTAB concentration on the quality of graphene oxide nanosheets produced by green laser ablation. <i>Materials Chemistry and Physics</i> , 2018, 203, 235-242.	2.0	19
50	Dependence of Laser Ablation Produced Gold Nanoparticles Characteristics on the Fluence of Laser Pulse. <i>Soft Nanoscience Letters</i> , 2013, 03, 101-106.	0.8	19
51	Self-focusing of the high intensity ultra short laser pulse propagating through relativistic magnetized plasma. <i>Optics Communications</i> , 2014, 332, 227-232.	1.0	18
52	Investigation of tunable omnidirectional band gap in 1D magnetized full plasma photonic crystals. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	18
53	Preparation of antibacterial textile using laser ablation method. <i>Optics and Laser Technology</i> , 2018, 99, 145-153.	2.2	18
54	Using silicon nanoparticles to modify the surface of graphene nanosheets. <i>Materials Science in Semiconductor Processing</i> , 2018, 75, 75-83.	1.9	18

#	ARTICLE	IF	CITATIONS
55	Characterizing nickel oxide nanostructures produced by laser ablation method: effects of laser fluence. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	18
56	Synthesis of MOF-5 nanostructures by laser ablation method in liquid and evaluation of its properties. Journal of Materials Science: Materials in Electronics, 2021, 32, 3819-3833.	1.1	18
57	Non-extensive effects on the characteristics of dust-acoustic solitary waves in magnetized dusty plasma with two-temperature isothermal ions. Journal of Plasma Physics, 2014, 80, 565-579.	0.7	17
58	Effect of negative oxygen ions on the characteristics of plasma in a cylindrical DC discharge. Iranian Physical Journal, 2014, 8, 1.	1.2	17
59	Synthesis of Au/Si nanocomposite using laser ablation method. Optics and Laser Technology, 2019, 113, 217-224.	2.2	16
60	Optimisation of GaAs nanocrystals synthesis by laser ablation in water. Journal of Experimental Nanoscience, 2013, 8, 808-817.	1.3	15
61	Effect of concentration on the plasmonic absorption and optical nonlinearity of gold nanoparticles. Optical Engineering, 2012, 51, 089001.	0.5	14
62	Investigation of the Structure and Properties of Nanoscale Grain-Size $\hat{2}$ -Tantalum Thin Films. Molecular Crystals and Liquid Crystals, 2013, 571, 67-76.	0.4	14
63	Effect of laser treatment on the optical properties of poly(methyl methacrylate) thin films. Optical Review, 2013, 20, 36-40.	1.2	14
64	Role of laser fluence in decoration of graphene nanosheets with TiO <sub>2</sub> nanoparticles by pulsed laser ablation method. Journal of Alloys and Compounds, 2021, 861, 157956.	2.8	14
65	Effect of Second Nonthermal Ion on the Characteristics of Dust Acoustic Solitary Waves in a Magnetized Dusty Plasma with Variable Dust Charge. Contributions To Plasma Physics, 2013, 53, 564-572.	0.5	13
66	Third harmonic stimulated Raman backscattering of laser in a magnetized plasma. Physics of Plasmas, 2013, 20, .	0.7	13
67	Effect of Laser Pulse Energy on the Characteristics of Cu Nanoparticles Produced by Laser Ablation Method in Acetone. Journal of Cluster Science, 2014, 25, 1147-1156.	1.7	13
68	Effects of wavelength and fluence on the graphene nanosheets produced by pulsed laser ablation. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	13
69	Electrophoretic deposition of cobalt oxide nanoparticles on aluminium substrate. Surface Engineering, 2020, 36, 919-928.	1.1	13
70	Investigating the Effects of Different Liquid Environments on the Characteristics of Multilayer Graphene and Graphene Oxide Nanosheets Synthesized by Green Laser Ablation Method. Diamond and Related Materials, 2020, 103, 107697.	1.8	13
71	Formation of SiC using low energy CO <sub>2</sub> ion implantation in silicon. Applied Surface Science, 2008, 255, 2180-2184.	3.1	12
72	Effects of Liquid Ablation Environment on the Characteristics of TiO <sub>2</sub> Nanoparticles. Journal of Cluster Science, 2020, 31, 961-969.	1.7	12

#	ARTICLE	IF	CITATIONS
73	Effect of negative ions on the characteristics of plasma in a cylindrical discharge. Journal of Theoretical and Applied Physics, 2013, 7, 41.	1.4	11
74	Effects of variable dust size, charge and mass on the characteristics of dust acoustic solitary waves in a magnetized dusty plasma. Physica Scripta, 2014, 89, 065602.	1.2	11
75	Effect of thickness on the optical nonlinearity of gold colloidal nanoparticles prepared by laser ablation. Optical and Quantum Electronics, 2014, 46, 809-819.	1.5	11
76	Effect of dust charge fluctuation on multidimensional instability of dust-acoustic solitary waves in a magnetized dusty plasma with nonthermal ions. Physics of Plasmas, 2015, 22, .	0.7	11
77	Nonlinear ionâ€acoustic cnoidal wave in electronâ€positronâ€ion plasma with nonextensive electrons. Contributions To Plasma Physics, 2018, 58, 42-55.	0.5	11
78	Properties of graphene/Au nanocomposite prepared by laser irradiation of the mixture of individual colloids. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	11
79	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
80	Nonlinear optical characterization of the Ag nanoparticles doped in polyvinyl alcohol films. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2015, 118, 949-954.	0.2	10
81	Effect of liquid medium temperature on the production rate and quality of graphene nanosheets produced by laser ablation. Optical and Quantum Electronics, 2016, 48, 1.	1.5	10
82	Dependence of laser ablation produced TiO <sub>2</sub> nanoparticles on the ablation environment temperature. Optical and Quantum Electronics, 2017, 49, 1.	1.5	10
83	Measurement of third-order nonlinear susceptibility of Au nanoparticles doped PVA film. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2015, 119, 838-848.	0.2	9
84	In situ synthesis and exhaustion of nano TiO <sub>2</sub> on fabric samples using laser ablation method. Journal of the Textile Institute, 2020, 111, 122-128.	1.0	9
85	Investigation of carbon monoxide gas adsorption on the Al <sub>2</sub> O <sub>3</sub> /Pd(NO <sub>3</sub> ) <sub>2</sub> /zeolite composite film. Journal of Theoretical and Applied Physics, 2020, 14, 65-74.	1.4	9
86	Title is missing!. ScienceAsia, 2010, 36, 292.	0.2	9
87	Designing a plano-convex aspheric lens for fiber optics collimator. Optics and Lasers in Engineering, 2012, 50, 293-296.	2.0	8
88	Evaluation of the effects of weak and moderate static magnetic fields on the characteristics of human low density lipoprotein in vitro. Bioelectromagnetics, 2013, 34, 397-404.	0.9	8
89	Evolution of high intensity ultrashort laser pulse spot size propagating through magnetized plasma. Optics and Laser Technology, 2013, 48, 549-553.	2.2	8
90	Sterilization of Turmeric by Atmospheric Pressure Dielectric Barrier Discharge Plasma. Plasma Science and Technology, 2013, 15, 1122-1126.	0.7	8

#	ARTICLE	IF	CITATIONS
91	Effect of superthermal electrons on the characteristics of dust acoustic solitary waves in a magnetized hot dusty plasma with dust charge fluctuation. Canadian Journal of Physics, 2015, 93, 344-352.	0.4	8
92	Dust acoustic double layers in a magnetized dusty self-gravitating plasma with superthermal particles. Physics of Plasmas, 2016, 23, 083703.	0.7	8
93	Low power continues wave nonlinear optics in red BS dye doped PVA thin film. Optik, 2016, 127, 6813-6820.	1.4	8
94	Properties of TiO <sub>2</sub> /Au nanocomposite produced by pulsed laser irradiation of mixture of individual colloids. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	8
95	Effects of laser fluence on the Cd(OH) <sub>2</sub> /CdO nanostructures produced by pulsed laser ablation method. Optical and Quantum Electronics, 2019, 51, 1.	1.5	8
96	External magnetic field effects on the characteristics of cobalt nanoparticles prepared by pulsed laser ablation. Optical and Quantum Electronics, 2021, 53, 1.	1.5	8
97	Chemical bath synthesis of Ag <sub>2</sub> S, CuS, and CdS nanoparticle-polymer nanocomposites: structural, linear, and nonlinear optical characteristics. Optical Materials Express, 2022, 12, 2697.	1.6	8
98	Synthesis and characterization of AgCl nanoparticles produced by laser ablation of Ag in NaCl solution. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	7
99	Nonlinear Dynamics of Circularly Polarized Laser Pulse Propagating in a Magnetized Plasma with Nonextensive Velocity Distributions. Contributions To Plasma Physics, 2016, 56, 938-950.	0.5	7
100	Synchronization effect on the small-signal gain and saturation intensity of a CuBr laser. Optical and Quantum Electronics, 2017, 49, 1.	1.5	7
101	Role of Ar/O <sub>2</sub> mixture on structural, compositional and optical properties of thin copper oxide films deposited by DC magnetron sputtering. Journal of Theoretical and Applied Physics, 2017, 11, 285-290.	1.4	7
102	Nonlinear optical response of graphene/silicon nanocomposites. Optical and Quantum Electronics, 2018, 50, 1.	1.5	7
103	Synthesis of Silver Nanoparticles and Exhaustion on Cotton Fabric Simultaneously Using Laser Ablation Method. Journal of Natural Fibers, 2020, 17, 1295-1306.	1.7	7
104	Laser ablation-assisted synthesis of tungsten sub-oxide (W <sub>17</sub> O <sub>47</sub> ) nanoparticles in water: effect of laser fluence. Optical and Quantum Electronics, 2020, 52, 1.	1.5	7
105	Optical Properties of Pure ZnSe Nanocrystals Synthesized by Laser Ablation in Organic Liquids. Journal of Cluster Science, 2013, 24, 905-914.	1.7	6
106	Effect of Size Distribution on the Dust Acoustic Solitary Waves in Dusty Plasma with Two Kinds of Nonthermal Ions. Advances in Materials Science and Engineering, 2013, 2013, 1-6.	1.0	6
107	Effect of NaCl Concentration on Silver Nanoparticles Produced by 1064Ånm Laser Ablation in NaCl Solution. Molecular Crystals and Liquid Crystals, 2015, 606, 36-46.	0.4	6
108	Effect of dust charge fluctuations on dust acoustic structures in magnetized dusty plasma containing nonextensive electrons and two-temperature isothermal ions. Plasma Physics Reports, 2016, 42, 155-162.	0.3	6

#	ARTICLE	IF	CITATIONS
109	Effects of green laser fluence on the characteristics of graphene nanosheets synthesized by laser ablation method in liquid nitrogen medium. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	1.5	6
110	Characterization of gold nanoparticle thin film prepared by electrophoretic deposition method. <i>Gold Bulletin</i> , 2020, 53, 1-10.	1.1	6
111	In situ synthesise of ZnO nanoparticles on cotton fabric by laser ablation method; antibacterial activities. <i>Journal of the Textile Institute</i> , 0, , 1-11.	1.0	6
112	Structural and optical properties of silicon nitride film generated on Si substrate by low energy ion implantation. <i>EPJ Applied Physics</i> , 2008, 42, 103-107.	0.3	5
113	Bubble structure in laser wake-field acceleration. <i>Laser and Particle Beams</i> , 2016, 34, 193-201.	0.4	5
114	The behavior of gain and saturation characteristics versus temperature in a copper bromide laser. <i>Laser Physics</i> , 2017, 27, 055001.	0.6	5
115	Effects of nonthermal electrons and positrons on the characteristics of ion-acoustic cnoidal wave in electron-positron-ion plasma. <i>Chaos, Solitons and Fractals</i> , 2017, 103, 261-270.	2.5	5
116	Effect of variable dust size, charge and mass on dust acoustic solitary waves in nonextensive magnetized plasma. <i>Indian Journal of Physics</i> , 2020, 94, 547-554.	0.9	5
117	Bismuth-based metal-organic framework prepared by pulsed laser ablation method in liquid. <i>Journal of Theoretical and Applied Physics</i> , 2020, 14, 1-8.	1.4	5
118	Coexistence of Plasmonic and Magnetic Properties in Bimetallic Fe/Ag Nanoparticles Synthesized by Pulsed Laser Ablation. <i>Plasmonics</i> , 2022, 17, 941-948.	1.8	5
119	Experimental study of the electrical properties of copper nitride thin films prepared by dc magnetron sputtering. <i>EPJ Applied Physics</i> , 2011, 53, 10501.	0.3	4
120	Effect of Surface Microstructure on the Oxidation Stability of Cu <sub>3</sub> N Thin Film. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 575, 49-56.	0.4	4
121	Parametric study of a Schamel equation for low-frequency dust acoustic waves in dusty electronegative plasmas. <i>Physics of Plasmas</i> , 2015, 22, 083705.	0.7	4
122	Thermo optical properties of Ag nanoparticles produced by pulsed laser ablation. <i>Optical and Quantum Electronics</i> , 2015, 47, 3729-3745.	1.5	4
123	Effect of Oxygen on Decontamination of Cumin Seeds by Atmospheric Pressure Dielectric Barrier Discharge Plasma. <i>Plasma Medicine</i> , 2016, 6, 339-347.	0.2	4
124	Whittaker functions in beam driven plasma wakefield acceleration for a plasma with a parabolic density profile. <i>Physics of Plasmas</i> , 2016, 23, 013109.	0.7	4
125	Effects of external magnetic field on oblique propagation of ion acoustic cnoidal wave in nonextensive plasma. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	4
126	Proton driven plasma wakefield generation in a parabolic plasma channel. <i>Iranian Physical Journal</i> , 2017, 11, 27-35.	1.2	4



#	ARTICLE	IF	CITATIONS
127	Fabrication of Ta nanoparticles induced by nanosecond laser ablation in ethanol: the study of laser fluence effects. <i>Journal of Modern Optics</i> , 2018, 65, 899-906.	0.6	4
128	Influence of deposition time and applied voltage on the properties of electrophoretically deposited nickel oxide colloidal nanoparticles thin film. <i>Transactions of the Institute of Metal Finishing</i> , 2021, 99, 172-180.	0.6	4
129	Influence of transverse magnetic field on the properties of laser ablation produced nickel oxide nanoparticles. <i>Physica Scripta</i> , 2021, 96, 025804.	1.2	4
130	Electric field assisted-laser ablation of cu nanoparticles in ethanol and investigation of their properties. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	1.5	4
131	Green laser assisted gold-iron oxide nanocomposite production. <i>Radiation Effects and Defects in Solids</i> , 2022, 177, 277-293.	0.4	4
132	Effect of radio frequency plasma treatment on the nonlinear refractive index and absorption coefficient of red lake doped polyvinyl chloride film. <i>Optical and Quantum Electronics</i> , 2015, 47, 2027-2038.	1.5	3
133	Role of nonthermal electron on the dynamics of relativistic electromagnetic soliton in the interaction of laser-plasma. <i>Physics of Plasmas</i> , 2016, 23, 083121.	0.7	3
134	Softening Hard Water Using High Frequency Spark Plasma Discharge. <i>Plasma Chemistry and Plasma Processing</i> , 2017, 37, 99-114.	1.1	3
135	Size Effect of Au Nanoparticles on the Electrical and Optical Properties of PVA Thin Film. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2015, 9, 801-810.	0.1	3
136	Changeover in the molecular and atomic fluorine laser transitions. <i>Applied Optics</i> , 2010, 49, 2741.	2.1	2
137	Calculation of Electrical Potential and Dust Particle Charge in a Double Dusty Plasma Device. <i>Journal of Fusion Energy</i> , 2011, 30, 16-20.	0.5	2
138	Production and Study of Silver Nanoparticles by 532Ånm Laser Pulse Ablation in NaCl Solution. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 605, 12-22.	0.4	2
139	Multidimensional Instability of Dustâ€™Acoustic Solitary Waves in a Magnetized Hot Dusty Plasma with Superthermal Electrons and Ions. <i>Contributions To Plasma Physics</i> , 2015, 55, 643-657.	0.5	2
140	Nonlinear dynamics of circularly polarized laser pulse propagating in a magnetized plasma with superthermal ions and mixed nonthermal high-energy tail electrons distributions. <i>Physics of Plasmas</i> , 2016, 23, 053105.	0.7	2
141	MHD Instabilities and Toroidal Field Effects on Plasma Column Behavior in Tokamak. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	1
142	EFFECT OF LASER PULSE ENERGY ON THE CHARACTERISTICS OF SILVER NANOPARTICLES PRODUCED BY LASER ABLATION. , 2013, , .		1
143	EFFECT OF LASER PULSE ENERGY ON THE GOLD NANOPARTICLES PRODUCED BY LASER ABLATION METHOD. , 2013, , .		1
144	INVESTIGATING THE IMPLEMENTATION OF ZnO NANOPARTICLES AS A TUNABLE UV DETECTOR FOR DIFFERENT SKIN TYPES. <i>Surface Review and Letters</i> , 2018, 25, 1850062.	0.5	1

#	ARTICLE	IF	CITATIONS
145	Thermally induced dispersive optical bistability in silver nanosuspensions produced by pulsed laser ablation method. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	1.5	1
146	Theoretical Analysis of the Hollow Electron Beam Interaction With Electromagnetic Waves in a Partially Thermal Plasma-Loaded Helix. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 1231-1242.	0.6	1
147	Effect of the bubble deformation in the 3D nonlinear laser wake-field acceleration. <i>Chinese Journal of Physics</i> , 2019, 62, 187-193.	2.0	1
148	Investigating the Optimized Physical and Electrical Operating Condition of DC Pulsed Spark Discharge Over Water Surface Generated by Different Input Parameters. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 3949-3959.	0.6	1
149	Influence of ions nonextensivity on the dynamics of dust acoustic double layers in a magnetized self-gravitating dusty plasma. <i>Waves in Random and Complex Media</i> , 0, , 1-16.	1.6	1
150	Short pulse radiation excited by the short laser pulse and magnetized plasma interaction. , 0, , .		0
151	Experimental Observation of Radiation from Cerenkov Wakes in a Magnetized Plasma. <i>AIP Conference Proceedings</i> , 2002, , .	0.3	0
152	Short pulse radiation excited by the short laser pulse and magnetized plasma interaction. , 0, , .		0
153	Recent Results of IRAN-T1 Tokamak. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	0
154	Nonlinear optical properties of gold nanoparticles thin films using the moiré deflectometry technique. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
155	Possible interaction of extremely low frequency electromagnetic fields with atherosclerosis promotion and progression in human, an invitro investigation. <i>Cardiovascular Research</i> , 2014, 103, S136.3-S136.	1.8	0
156	Frequency dependence of the amplifying parameters of a CuBr laser. <i>Journal of Laser Applications</i> , 2018, 30, 032003.	0.8	0
157	Laser ablation assisted synthesis of graphene/CuO nanocomposite: effect of laser fluence. <i>Materials Technology</i> , 0, , 1-10.	1.5	0
158	MgO/MgAl <sub>2</sub> O <sub>4</sub> nanocomposites synthesis by plasma torch from aqueous solution of MgCl <sub>2</sub> and AlCl <sub>3</sub> salts and studying the effect of raw material concentration on the products. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	1.1	0