

Mohamed Mostafa ELFaham

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7633411/publications.pdf>

Version: 2024-02-01

53
papers

2,248
citations

136740

32
h-index

223531

46
g-index

53
all docs

53
docs citations

53
times ranked

990
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional leather surface embedded with zinc oxide nanoparticles by pulsed laser ablation method. <i>Microscopy Research and Technique</i> , 2022, 85, 1611-1617.	1.2	7
2	Catalytic performance of NiO nanoparticles decorated carbon nanotubes via one-pot laser ablation method against methyl orange dye. <i>Journal of Materials Research and Technology</i> , 2022, 18, 3336-3346.	2.6	27
3	Study of the adsorptive removal of (Fe ⁺²) and (Ni ⁺²) from water by synthesized magnetite/corn cobs magnetic nanocomposite. <i>Nano Futures</i> , 2022, 6, 025004.	1.0	2
4	Removal of methylene blue dye from aqueous solution using carbon nanotubes decorated by nickel oxide nanoparticles via pulsed laser ablation method. <i>Radiation Physics and Chemistry</i> , 2022, 198, 110268.	1.4	20
5	Removal of Ni(II) ions by Poly(Vinyl Alcohol)/Al ₂ O ₃ Nanocomposite Film via Laser Ablation in Liquid. <i>Membranes</i> , 2022, 12, 660.	1.4	8
6	Nonlinearity enhancement of Multi-walled carbon nanotube decorated with ZnO nanoparticles prepared by laser assisted method. <i>Optics and Laser Technology</i> , 2022, 155, 108444.	2.2	16
7	Preparation and study of nonlinear response of embedding ZnO nanoparticles in PVA thin film by pulsed laser ablation. <i>Journal of Molecular Structure</i> , 2021, 1223, 129007.	1.8	51
8	Linear and nonlinear optical studies of Ag/Zn/ZnO nanocomposite thin film prepared by pulsed laser deposition technique. <i>Radiation Physics and Chemistry</i> , 2021, 179, 109233.	1.4	23
9	The enhancement of nonlinear absorption of Zn/ZnO thin film by creation oxygen vacancies via infrared laser irradiation and coating with Ag thin film via pulsed laser deposition. <i>Journal of Molecular Structure</i> , 2021, 1226, 129407.	1.8	30
10	Novel laser-assisted method for synthesis of SnO ₂ /MWCNTs nanocomposite for water treatment from Cu (II). <i>Diamond and Related Materials</i> , 2021, 113, 108287.	1.8	55
11	Catalytic activity of Ag nanoparticles and Au/Ag nanocomposite prepared by pulsed laser ablation technique against 4-nitrophenol for environmental applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 11978-11988.	1.1	21
12	Au@Ag core/shell nanoparticles prepared by laser-assisted method for optical limiting applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 14728-14739.	1.1	17
13	The effect of reaction temperature on structural, optical and electrical properties of tunable ZnO nanoparticles synthesized by hydrothermal method. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 154, 110089.	1.9	42
14	Synthesis of Ag Nanoparticles-Decorated CNTs via Laser Ablation Method for the Enhancement the Photocatalytic Removal of Naphthalene from Water. <i>Nanomaterials</i> , 2021, 11, 2142.	1.9	44
15	Role of laser fluence on ionic emission characteristics from steel plasmas induced in atmospheric air. <i>Radiation Physics and Chemistry</i> , 2021, 185, 109515.	1.4	8
16	Effect of liquid media and laser energy on the preparation of Ag nanoparticles and their nanocomposites with Au nanoparticles via laser ablation for optoelectronic applications. <i>Optik</i> , 2021, 241, 167217.	1.4	42
17	ZnO nanoparticles decorated carbon nanotubes via pulsed laser ablation method for degradation of methylene blue dyes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127204.	2.3	55
18	Synthesis of multi-walled carbon nanotubes decorated with silver metallic nanoparticles as a catalytic degradable material via pulsed laser ablation in liquid media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 126992.	2.3	47

#	ARTICLE	IF	CITATIONS
19	Zinc oxide/carbon nanotubes nanocomposite: Synthesis, characterization and catalytic reduction of 4-nitrophenol via laser assistant method. <i>Surfaces and Interfaces</i> , 2021, 26, 101406.	1.5	19
20	Catalytic activity of multi-walled carbon nanotubes decorated with tungsten trioxides nanoparticles against 4-nitrophenol. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 158, 110252.	1.9	28
21	Facile synthesis of Cu ₂ O nanoparticles using pulsed laser ablation method for optoelectronic applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 630, 127562.	2.3	28
22	Synthesis of antimicrobial cellulosic derivative and its catalytic activity. <i>Journal of King Saud University - Science</i> , 2020, 32, 436-442.	1.6	53
23	One-pot synthesis of nanostructured CdS, CuS, and SnS by pulsed laser ablation in liquid environment and their antimicrobial activity. <i>Optics and Laser Technology</i> , 2020, 121, 105824.	2.2	99
24	Unmanned aerial vehicle (UAV) manufacturing materials: Synthesis, spectroscopic characterization and dynamic mechanical analysis (DMA). <i>Journal of Molecular Structure</i> , 2020, 1201, 127211.	1.8	48
25	Effect of nanostructured metal oxides (CdO, Al ₂ O ₃ , Cu ₂ O) embedded in PVA via Nd:YAG pulsed laser ablation on their optical and structural properties. <i>Journal of Molecular Structure</i> , 2020, 1203, 127374.	1.8	83
26	Influence of coating by Cu and Ag nanoparticles via pulsed laser deposition technique on optical, electrical and mechanical properties of cellulose paper. <i>Journal of Molecular Structure</i> , 2020, 1203, 127472.	1.8	49
27	Effects of post-laser irradiation on the optical and structure properties of Al ₂ O ₃ nanoparticles produced by laser ablation. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	33
28	Effect of dual-beam laser radiation for synthetic SnO ₂ /Au nanoalloy for antibacterial activity. <i>Journal of Molecular Structure</i> , 2020, 1222, 128913.	1.8	50
29	Tailored MWCNTs/SnO ₂ decorated cellulose nanofiber adsorbent for the removal of Cu (II) from waste water. <i>Radiation Physics and Chemistry</i> , 2020, 177, 109172.	1.4	46
30	Efficient removal of Cu (II) by SnO ₂ /MWCNTs nanocomposite by pulsed laser ablation method. <i>Nano Structures Nano Objects</i> , 2020, 24, 100591.	1.9	41
31	Spectroscopic studies of the interaction between isolated polyphenols from coffee and the milk proteins. <i>Surfaces and Interfaces</i> , 2020, 20, 100558.	1.5	25
32	Laser-assisted for preparation ZnO/CdO thin film prepared by pulsed laser deposition for catalytic degradation. <i>Radiation Physics and Chemistry</i> , 2020, 176, 109020.	1.4	59
33	Laser-assisted for preparation Ag/CdO nanocomposite thin film: Structural and optical study. <i>Optical Materials</i> , 2020, 107, 110124.	1.7	44
34	Mechanical hardness estimation of heat-treated DIN50Cr3 spring steel utilizing laser-induced breakdown spectroscopy (LIBS) inverse calibration. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	18
35	Synthesis of ZnO and Au@ZnO core/shell nano-catalysts by pulsed laser ablation in different liquid media. <i>Journal of Materials Research and Technology</i> , 2020, 9, 3241-3248.	2.6	86
36	Polyvinyl Alcohol/Silver nanoparticles film prepared via pulsed laser ablation: An eco-friendly nano-catalyst for 4-nitrophenol degradation. <i>Journal of Molecular Structure</i> , 2020, 1212, 128125.	1.8	80

#	ARTICLE	IF	CITATIONS
37	Impact of CuO doping on the properties of CdO thin films on the catalytic degradation by using pulsed-Laser deposition technique. <i>Optical Materials</i> , 2020, 100, 109663.	1.7	88
38	Fabrication of magnesium metallic nanoparticles by liquid-assisted laser ablation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020, 37, 2620.	0.9	40
39	Cadmium oxide/TEMPO-oxidized cellulose nanocomposites produced by pulsed laser ablation in liquid environment: Synthesis, characterization, and antimicrobial activity. <i>Optics and Laser Technology</i> , 2019, 120, 105744.	2.2	90
40	WO ₃ quantum dot: Synthesis, characterization and catalytic activity. <i>Journal of Molecular Structure</i> , 2019, 1185, 351-356.	1.8	68
41	Fascinating thermo-mechanical features of layered hydroxides/MWCNTs nanocomposites. <i>Journal of Alloys and Compounds</i> , 2019, 788, 912-924.	2.8	14
42	Luminescent plant root: A step toward electricity-free natural lighting plants. <i>Journal of Molecular Structure</i> , 2019, 1176, 249-253.	1.8	41
43	Advanced analyses of solid waste raw materials from cement plant using dual spectroscopy techniques towards co-processing. <i>Optics and Laser Technology</i> , 2019, 111, 338-346.	2.2	15
44	Multi walled carbon nanotube decorated cadmium oxide nanoparticles via pulsed laser ablation in liquid media. <i>Optics and Laser Technology</i> , 2019, 111, 249-254.	2.2	93
45	Effect of laser shock peening on the hardness of AL-7075 alloy. <i>Journal of King Saud University - Science</i> , 2019, 31, 472-478.	1.6	59
46	Optical emission spectroscopy for concrete strength evaluation utilizing calcium lines. <i>Optics and Laser Technology</i> , 2018, 106, 69-75.	2.2	19
47	Comparative study of LIBS and mechanically evaluated hardness of graphite/ rubber composites. <i>Materials Chemistry and Physics</i> , 2018, 207, 30-35.	2.0	37
48	Dual-Spectroscopy Platform for the Surveillance of Mars Mineralogy Using a Decisions Fusion Architecture on Simultaneous LIBS-Raman Data. <i>Analytical Chemistry</i> , 2018, 90, 2079-2087.	3.2	49
49	Eco-friendly cellulose nano fibers via first reported Egyptian <i>Humicola fuscoatra</i> Egyptia X4: Isolation and characterization. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018, 10, 409-418.	1.7	56
50	Limit of detection and hardness evaluation of some steel alloys utilizing optical emission spectroscopic techniques. <i>Optics and Laser Technology</i> , 2018, 108, 634-641.	2.2	38
51	Au@CdO core/shell nanoparticles synthesized by pulsed laser ablation in Au precursor solution. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	58
52	Synthesis of cadmium oxide nanoparticles by pulsed laser ablation in liquid environment. <i>Optik</i> , 2017, 144, 679-684.	1.4	79
53	Determination of some radionuclides and heavy elements concentrations in concrete raw materials. , 2015, , .		0