

Raid A Ismail

List of Publications by Year in descending order

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149
papers

2,670
citations

136950

32
h-index

254184

43
g-index

152
all docs

152
docs citations

152
times ranked

2000
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial activity of magnetic iron oxide nanoparticles synthesized by laser ablation in liquid. <i>Materials Science and Engineering C</i> , 2015, 53, 286-297.	7.3	188
2	Preparation and characterization of carbon nanotubes by pulsed laser ablation in water for optoelectronic application. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 119, 113997.	2.7	73
3	Preparation and characterization of colloidal ZnO nanoparticles using nanosecond laser ablation in water. <i>Applied Nanoscience (Switzerland)</i> , 2011, 1, 45-49.	3.1	66
4	A new route for fabricating CdO/c-Si heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2007, 91, 903-907.	6.2	64
5	Growth of Nb ₂ O ₅ film using hydrothermal method: effect of Nb concentration on physical properties. <i>Materials Research Express</i> , 2019, 6, 116429.	1.6	60
6	Synthesis of ZnO nanorods on a silicon substrate via hydrothermal route for optoelectronic applications. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	60
7	Magnetic Field-Assisted Laser Ablation of Titanium Dioxide Nanoparticles in Water for Anti-Bacterial Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 3649-3656.	3.7	59
8	Preparation of silver iodide nanoparticles using laser ablation in liquid for antibacterial applications. <i>IET Nanobiotechnology</i> , 2018, 12, 781-786.	3.8	55
9	Characteristics of nanostructured CdO/Si heterojunction photodetector synthesized by CBD. <i>Solid-State Electronics</i> , 2013, 82, 115-121.	1.4	54
10	Preparation and characterization of aluminum oxide nanoparticles by laser ablation in liquid as passivating and anti-reflection coating for silicon photodiodes. <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 477-487.	3.1	53
11	Synthesis of Cadmium Oxide/Si Heterostructure for Two-Band Sensor Application. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2019, 43, 1337-1343.	1.5	53
12	Preparation and characteristics study of nano-porous silicon UV photodetector. <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 9-15.	3.1	51
13	Preparation of high-sensitivity In ₂ S ₃ /Si heterojunction photodetector by chemical spray pyrolysis. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	3.3	49
14	Effect of light induced heat treatment on the structural and morphological properties of Linbo ₃ thin films. <i>Superlattices and Microstructures</i> , 2019, 128, 67-75.	3.1	49
15	Study of the Effect of Incorporation of CdS Nanoparticles on the Porous Silicon Photodetector. <i>Silicon</i> , 2017, 9, 321-326.	3.3	47
16	Characterization of high photosensitivity nanostructured 4H-SiC/p-Si heterostructure prepared by laser ablation of silicon in ethanol. <i>Materials Science in Semiconductor Processing</i> , 2017, 68, 252-261.	4.0	46
17	PREPARATION AND CHARACTERIZATION OF In ₂ O ₃ THIN FILMS FOR OPTOELECTRONIC APPLICATIONS. <i>Surface Review and Letters</i> , 2005, 12, 515-518.	1.1	45
18	PREPARATION AND PHOTOVOLTAIC PROPERTIES OF Ag ₂ O/Si ISOTYPE HETEROJUNCTION. <i>Surface Review and Letters</i> , 2005, 12, 299-303.	1.1	44

#	ARTICLE	IF	CITATIONS
19	Preparation and properties of polystyrene incorporated with gold and silver nanoparticles for optoelectronic applications. Applied Nanoscience (Switzerland), 2017, 7, 109-116.	3.1	42
20	Synthesis and characterization of nanostructured LiNbO ₃ films with variation of stirring duration. Journal of Materials Science: Materials in Electronics, 2017, 28, 11813-11822.	2.2	42
21	Characterization of nanostructured hydroxyapatite prepared by Nd:YAG laser deposition. Materials Science and Engineering C, 2013, 33, 47-52.	7.3	41
22	Characteristics of p-Cu ₂ O/n-Si Heterojunction Photodiode made by Rapid Thermal Oxidation. Journal of Semiconductor Technology and Science, 2009, 9, 51-54.	0.4	41
23	Optoelectronic properties of CdTe/Si heterojunction prepared by pulsed Nd:YAG-laser deposition technique. Materials Science in Semiconductor Processing, 2007, 10, 19-23.	4.0	40
24	Preparation and characterization of nanostructured nickel oxide thin films by spray pyrolysis. Applied Nanoscience (Switzerland), 2013, 3, 509-514.	3.1	39
25	Effect of rapid thermal annealing on the characteristics of amorphous carbon/n-type crystalline silicon heterojunction solar cells. Materials Science in Semiconductor Processing, 2014, 21, 194-199.	4.0	39
26	Synthesis of PbI ₂ nanoparticles by laser ablation in methanol. Journal of Materials Science: Materials in Electronics, 2016, 27, 10696-10700.	2.2	39
27	Preparation of nanocrystalline Cu ₂ O thin film by pulsed laser deposition. Journal of Materials Science: Materials in Electronics, 2011, 22, 1244-1247.	2.2	38
28	Preparation of n-ZnO/p-Si solar cells by oxidation of zinc nanoparticles: effect of oxidation temperature on the photovoltaic properties. Applied Physics A: Materials Science and Processing, 2014, 117, 1977-1984.	2.3	38
29	Preparation of low cost n-ZnO/MgO/p-Si heterojunction photodetector by laser ablation in liquid and spray pyrolysis. Materials Research Express, 2018, 5, 055018.	1.6	38
30	High transmittance&low resistivity cadmium oxide films grown by reactive pulsed laser deposition. Journal of Materials Science: Materials in Electronics, 2007, 18, 1027-1030.	2.2	37
31	Studies on fabrication and characterization of a high-performance Al-doped ZnO/n-Si (1&1) heterojunction photodetector. Semiconductor Science and Technology, 2008, 23, 075030.	2.0	36
32	Improved characteristics of sprayed CdO films by rapid thermal annealing. Journal of Materials Science: Materials in Electronics, 2009, 20, 1219-1224.	2.2	36
33	Deposition geometry effect on structural, morphological and optical properties of Nb ₂ O ₅ nanostructure prepared by hydrothermal technique. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	36
34	Fabrication and Characterization of Photodetector Based on Porous Silicon. E-Journal of Surface Science and Nanotechnology, 2010, 8, 388-391.	0.4	34
35	Effect of electric field on the properties of bismuth oxide nanoparticles prepared by laser ablation in water. Journal of Materials Science: Materials in Electronics, 2014, 25, 1435-1440.	2.2	33
36	Synthesis of SiC nanoparticles by SHG 532nm Nd:YAG laser ablation of silicon in ethanol. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	33

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37	Antibacterial and cytotoxic activities of cerium oxide nanoparticles prepared by laser ablation in liquid. <i>Environmental Science and Pollution Research</i> , 2020, 27, 30479-30489.	5.3	30
38	Transparent and conducting ZnO films prepared by reactive pulsed laser deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2007, 18, 397-400.	2.2	28
39	Some critical issues on the structural properties of Nb ₂ O ₅ nanostructure film deposited by hydrothermal technique. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	25
40	High-performance nanostructured p-Cu ₂ S/n-Si photodetector prepared by chemical bath deposition technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 11807-11818.	2.2	23
41	Visible-enhanced silver-doped PbI ₂ nanostructure/Si heterojunction photodetector: effect of doping concentration on photodetector parameters. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	3.3	22
42	Effect of Laser Fluence on the Structural, Morphological and Optical Properties of 2H-PbI ₂ Nanoparticles Prepared by Laser Ablation in Ethanol. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 2365-2374.	3.7	18
43	Increasing the Silicon Solar Cell Efficiency with Nanostructured SnO ₂ Anti-reflecting Coating Films. <i>Silicon</i> , 2019, 11, 543-548.	3.3	18
44	Preparation of iron oxide nanoparticles by laser ablation in DMF under effect of external magnetic field. <i>International Journal of Modern Physics B</i> , 2016, 30, 1650094.	2.0	16
45	Effect of substrate temperature on the characteristic of p-PbI ₂ /n-Si heterojunction grown by pulsed laser deposition technique. <i>Materials Science in Semiconductor Processing</i> , 2019, 99, 165-174.	4.0	16
46	High-responsivity hybrid $\hat{\pm}$ Ag ₂ S/Si photodetector prepared by pulsed laser ablation in liquid. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 1596-1607.	2.8	16
47	Improvement of cabbage growth and yield by nanofertilizers and nanoparticles. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 15, 100437.	2.9	16
48	Preparation of visible-enhanced PbI ₂ /MgO/ Si heterojunction photodetector. <i>Optik</i> , 2020, 202, 163585.	2.9	15
49	Preparation of Bismuth Oxide Nanoplatelets/Si Photodetector by Laser Ablation in Liquid Under Effect of an External Magnetic Field. <i>Silicon</i> , 2022, 14, 107-113.	3.3	15
50	Preparation of Nb ₂ O ₅ nanoflakes by hydrothermal route for photodetection applications: The role of deposition time. <i>Optik</i> , 2021, 245, 167778.	2.9	15
51	Synthesis of diamond-like carbon films by electro-deposition technique for solar cell applications. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	3.3	14
52	Preparation and characteristics study of CdS/macroporous silicon/c-Si double heterojunction photodetector by spray pyrolysis technique. <i>Optik</i> , 2018, 168, 302-312.	2.9	14
53	Fabrication and characterization of high photosensitivity CuS/porous silicon heterojunction photodetector. <i>Optik</i> , 2020, 221, 165339.	2.9	14
54	Amorphous carbon nitride dual-function anti-reflection coating for crystalline silicon solar cells. <i>Scientific Reports</i> , 2022, 12, .	3.3	14

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55	Characteristics of Bismuth trioxide film prepared by rapid thermal oxidation. E-Journal of Surface Science and Nanotechnology, 2006, 4, 563-565.	0.4	13
56	Preparation of colloidal cadmium selenide nanoparticles by pulsed laser ablation in methanol and toluene. Journal of Materials Science: Materials in Electronics, 2014, 25, 3190-3194.	2.2	13
57	Effect of laser energy on the properties of nanostructured lead iodide film prepared via pulsed laser deposition technique. Optik, 2019, 176, 206-213.	2.9	13
58	Preparation of Iron Oxide and Titania-Based Composite, Core-Shell Populated, Nanoparticulates Material by Two-Step LASER Ablation in Aqueous Media as Antimicrobial and Anticancer Agents. Bioinorganic Chemistry and Applications, 2022, 2022, 1-19.	4.1	13
59	High-Responsivity Heterojunction Photodetector Based on Bi ₂ O ₃ -Decorated MWCNTs Nanostructure Grown on Silicon via Laser Ablation in Liquid. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 1381-1388.	3.7	13
60	ANNEALING TIME EFFECT ON NANOSTRUCTURED n-ZnO/p-Si HETEROJUNCTION PHOTODETECTOR PERFORMANCE. Surface Review and Letters, 2015, 22, 1550027.	1.1	12
61	New trends in ZnO nanoparticles/n-Si heterojunction photodetector preparation by pulsed laser ablation in ethanol. Optik, 2017, 147, 391-400.	2.9	12
62	Laser ablation of Au-CuO core-shell nanocomposite in water for optoelectronic devices. Materials Research Express, 2017, 4, 125020.	1.6	12
63	Effect of dipping time on the properties of Sb ₂ S ₃ /Si heterojunction prepared by chemical bath deposition. Materials Research Express, 2019, 6, 045915.	1.6	12
64	Hybrid p-Au@PbI ₂ /n-Si heterojunction photodetector prepared by pulsed laser ablation in liquid. Optik, 2019, 183, 933-941.	2.9	12
65	Optoelectronic properties of n-Ag ₂ S nanotubes/p-Si heterojunction photodetector prepared by chemical bath deposition technique: An effect of deposition time. Surfaces and Interfaces, 2020, 21, 100753.	3.0	12
66	High-quantum efficiency of Au@LiNbO ₃ core-shell nano composite as a photodetector by two-step laser ablation in liquid. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	12
67	Optoelectronic properties n:CdS:In/p-Si heterojunction photodetector. Journal of Materials Science: Materials in Electronics, 2006, 17, 819-824.	2.2	11
68	Synthesis and characterization of diamond-like carbon film on silicon by electrodeposition from solution of ethanol and methanol. Materials Science in Semiconductor Processing, 2014, 27, 461-467.	4.0	11
69	New route for cadmium sulfide nanowires synthesis via pulsed laser ablation of cadmium in thiourea solution. Materials Research Express, 2018, 5, 025017.	1.6	11
70	Synthesis of Au nanoparticles-decorated CdS nanowires via laser ablation in liquid for optoelectronic applications. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	11
71	Photodetection properties of populated Fe ₃ O ₄ @TiO ₂ core-shell/Si heterojunction prepared by laser ablation in water. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	11
72	Synthesis of LiNbO ₃ /SiO ₂ /Si Nanostructures Layer by Layer Based on Mach-Zehnder Modulator Using Pulsed Laser Deposition Route. Silicon, 2022, 14, 11781-11795.	3.3	11

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73	Characterization of CdS nanoparticles prepared by laser ablation in methanol. Journal of Materials Science: Materials in Electronics, 2015, 26, 9853-9858.	2.2	10
74	Effect of multiwalled carbon nanotubes incorporation on the performance of porous silicon photodetector. Optik, 2016, 127, 8144-8152.	2.9	10
75	Synthesis of hybrid Au@PbI ₂ core-shell nanoparticles by pulsed laser ablation in ethanol. Materials Research Express, 2018, 5, 115024.	1.6	10
76	Decoration of copper oxide nanoplatelets with gold nanoparticles by laser ablation in methanol for photodetection applications. Optical and Quantum Electronics, 2018, 50, 1.	3.3	10
77	Preparation of n-ZnO/p-Si heterojunction photodetector via rapid thermal oxidation technique: effect of oxidation time. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	10
78	Study the optoelectronic properties of PbI ₂ nanorods/Si photodetector prepared by magnetic field-assisted laser deposition route. Optics and Laser Technology, 2021, 140, 107042.	4.6	10
79	Preparation and characteristics study of ZnO: (Al, Cu, I) thin films by chemical spray pyrolysis. E-Journal of Surface Science and Nanotechnology, 2006, 4, 636-639.	0.4	9
80	Effect of pH on the structural and optical properties of nanostructured CdO films grown by chemical bath deposition technique. Micro and Nano Letters, 2014, 9, 935-939.	1.3	9
81	Preparation and characteristics study of CuAlO ₂ /Si heterojunction photodetector by pulsed laser deposition. Journal of Materials Science: Materials in Electronics, 2017, 28, 6889-6896.	2.2	9
82	Preparation of multi-walled carbon nanotubes/n-Si heterojunction photodetector by arc discharge technique. Optik, 2018, 164, 395-401.	2.9	9
83	Preparation and Characterization of CeO ₂ @Ag Core/Shell Nanoparticles by Pulsed Laser Ablation in Water. Lasers in Manufacturing and Materials Processing, 2019, 6, 126-135.	2.2	9
84	Preparation and Characteristics Study of Polystyrene/Porous Silicon Photodetector Prepared by Electrochemical Etching. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 1100-1110.	3.7	9
85	Pulsed Laser Deposition of Crystalline Cd ₂ SnO ₄ Thin Film. E-Journal of Surface Science and Nanotechnology, 2007, 5, 152-154.	0.4	8
86	Effect of nitrogen pressure on the performance of a-C:N/p-Si photodetector prepared by pulsed laser deposition. Optik, 2017, 139, 328-337.	2.9	8
87	Pulsed laser deposition of nanostructured MgO film: effect of laser fluence on the structural and optical properties. Materials Research Express, 2019, 6, 075007.	1.6	8
88	Preparation of a silicon heterojunction photodetector from colloidal indium oxide nanoparticles. Optics and Laser Technology, 2013, 51, 1-4.	4.6	7
89	Preparation and characteristics study of diamond like carbon/silicon heterojunction photodetector by pulsed laser deposition. Optical and Quantum Electronics, 2017, 49, 1.	3.3	7
90	Improved growth conditions of pulsed laser-deposited PbI ₂ nanostructure film: towards high-photosensitivity PbI ₂ /CNTs/Si photodetectors. Journal of Materials Science: Materials in Electronics, 2019, 30, 20850-20859.	2.2	7

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91	Preparation of nanostructured FeS ₂ /Si heterojunction photodetector by laser ablation in water under effect of an external magnetic field. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	7
92	Pulsed laser deposition of nanostructured HgI ₂ on Si substrate for photodetector application. <i>Materials Science in Semiconductor Processing</i> , 2021, 135, 106106.	4.0	7
93	Spray Pyrolysis Deposition of .ALPHA.-Fe ₂ O ₃ Thin Film. <i>E-Journal of Surface Science and Nanotechnology</i> , 2008, 6, 96-98.	0.4	6
94	EFFECT OF ETCHING TIME ON THE CHARACTERISTICS OF LOW RESISTIVITY POROUS Si DEVICES. <i>Modern Physics Letters B</i> , 2013, 27, 1350217.	1.9	6
95	Preparation of Bi ₂ Sr ₂ CaCu ₂ O _x Thin Film by Pulsed Laser Deposition for Optoelectronic Devices Application. <i>Silicon</i> , 2022, 14, 2625-2633.	3.3	6
96	Growth and Characterization of Cu ₂ O Films Made by Rapid Thermal Oxidation Technique. <i>Chinese Physics Letters</i> , 2005, 22, 2977-2979.	3.3	5
97	Laser-synthesised Ag ₂ S nanoparticles in liquid: effect of laser fluence on structural and optical properties. <i>Materials Research Express</i> , 2019, 6, 125026.	1.6	5
98	Hybrid CdS nanowires/Si heterostructure photodetector fabricated by intense pulsed light assisted - laser ablation in liquid. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	3.3	5
99	Novel route to prepare lanthanum oxide nanoparticles for optoelectronic devices. <i>International Journal of Modern Physics B</i> , 2020, 34, 2050134.	2.0	5
100	Effect of molar concentration of CuCl ₂ on the characteristics of Cu ₂ S film. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	5
101	Energy Band Diagram of FTO/porous Silicon Heterostructure. <i>Journal of Physics: Conference Series</i> , 2021, 1795, 012016.	0.4	5
102	Fabrication of Visible-Enhanced Nanostructured Mn ₂ O ₃ /Si Heterojunction Photodetector by Rapid Thermal Oxidation. <i>Silicon</i> , 2022, 14, 5297-5310.	3.3	5
103	Preparation of MAPbI ₃ perovskite film by pulsed laser deposition for high-performance silicon-based heterojunction photodetector. <i>Optical Materials</i> , 2022, 126, 112147.	3.6	5
104	Effect of rapid thermal annealing on properties of thermally evaporated nanostructured CdTe thin film treated with CdCl ₂ . <i>Materials Science in Semiconductor Processing</i> , 2012, 15, 159-164.	4.0	4
105	Effect of Nd:YAG laser irradiation on the characteristics of porous silicon photodetector. <i>International Nano Letters</i> , 2013, 3, 1.	5.0	4
106	Effect of laser fluence on the characteristics of CdSe nanoparticles prepared by laser ablation in methanol. <i>High Energy Chemistry</i> , 2015, 49, 438-448.	0.9	4
107	Micro and Nano Laser Pulses for Melting and Surface Alloying of Aluminum with Copper. <i>Lasers in Manufacturing and Materials Processing</i> , 2017, 4, 24-35.	2.2	4
108	Critical methanol to ethanol volume ratio effect on the electrodeposition of DLC films. <i>Optik</i> , 2019, 179, 29-36.	2.9	4

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109	Modifications of Hydroxyapatite properties by nanosecond Nd: YAG laser pulses. Lasers in Manufacturing and Materials Processing, 2020, 7, 305-316.	2.2	4
110	Pulsed Laser Ablation of Tin Oxide Nanoparticles in Liquid for Optoelectronic Devices. Silicon, 2021, 13, 3229-3237.	3.3	4
111	Photovoltaic properties of ITO/p-Si heterojunction prepared by pulsed laser deposition. International Journal of Modern Physics B, 2020, 34, 2050321.	2.0	4
112	Synthesis of HgI ₂ Nanoparticles and Nanorods by Laser Ablation in Liquid for Photodetector Applications: Effect of Laser Fluence. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 431-442.	3.7	4
113	Effect of nitrogen on the properties of nanostructured zinc nitride heterojunction prepared by reactive magnetron sputtering. Materials Science in Semiconductor Processing, 2022, 145, 106664.	4.0	4
114	Some critical issues on structural and photovoltaic properties of Ge/Si heterojunction. Materials Letters, 2006, 60, 2352-2356.	2.6	3
115	Optoelectronic characteristics of NMOS silicon photodetector made by rapid thermal oxidation. Solid-State Electronics, 2007, 51, 817-819.	1.4	3
116	ISOTYPE SnO ₂ â€“Si HETEROJUNCTION MADE BY RAPID PHOTOTHERMAL OXIDATION OF Sn. International Journal of Modern Physics B, 2011, 25, 3381-3389.	2.0	3
117	Preparation of colloidal lead sulfide nanoparticles by laser ablation in water for optoelectronic devices applications. High Energy Chemistry, 2015, 49, 58-63.	0.9	3
118	Synthesis and characterization of magnetite Fe ₃ O ₄ nanoparticles using one step laser ablation in water under effect of external magnetic field. Journal of Physics: Conference Series, 2021, 1795, 012028.	0.4	3
119	Preparation of nanostructured cerium-doped MnS/Si heterojunction photodetector by chemical spray pyrolysis: Influence of doping concentration. Optik, 2021, 243, 167457.	2.9	3
120	FULL CHARACTERIZATION AT 904 nm OF LARGE AREA Si pâ€“n JUNCTION PHOTODETECTORS PRODUCED BY LID TECHNIQUE. International Journal of Modern Physics B, 2005, 19, 4619-4628.	2.0	2
121	Ge/Si heterojunction photodetector for 1.064-Å laser pulses. Journal of Materials Science: Materials in Electronics, 2006, 17, 643-646.	2.2	2
122	Electrophoretic deposition of hydroxyapatiteâ€“shrimp crusts nanocomposite thin films for bone implant studies. IET Nanobiotechnology, 2018, 12, 714-721.	3.8	2
123	Structural and optical properties of Ag ₂ S nanotubes prepared by laser ablation in liquid. IOP Conference Series: Materials Science and Engineering, 2020, 757, 012027.	0.6	2
124	Effect of molar concentration on the structural, optical and electrical properties of the MnS thin film prepared by spray pyrolysis. Journal of Physics: Conference Series, 2021, 1795, 012032.	0.4	2
125	Preparation of blue luminescence gold quantum dots using laser ablation in aromatic solvents. Applied Nanoscience (Switzerland), 2021, 11, 2779-2791.	3.1	2
126	Preparation of Nanostructured HgI ₂ Nanotubes/Si Photodetector by Laser Ablation in Liquid. Silicon, 2022, 14, 8397-8407.	3.3	2

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127	Preparation of nanostructured PbI ₂ /Si photodetector by magnetic field-assisted laser ablation in liquid. Silicon, 2022, 14, 10291-10300.	3.3	2
128	Preparation of high-quantum efficiency nanostructured Ag ₂ O/Si photodetector by rapid thermal oxidation of Ag ₂ S film: The role of oxidation time. Optik, 2022, 257, 168794.	2.9	2
129	Colloidal synthesis of cesium iodide nanocrystals for visible-enhanced photodetection applications. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 143, 115375.	2.7	2
130	CONSTRUCTION OF ANISOTYPE CdS/Si HETEROJUNCTION AND LINEUP USING I _{sc} AND C _{sc} MEASUREMENTS. Modern Physics Letters B, 2006, 20, 1833-1838.	1.9	1
131	Synthesis and characterization of nanostructured SnO ₂ film. Journal of Materials Science: Materials in Electronics, 2011, 22, 1681-1684.	2.2	1
132	Effect of spraying time on the structural and electrical properties of InAs nanowires. Applied Nanoscience (Switzerland), 2018, 8, 2057-2064.	3.1	1
133	Elicitation of barrier height of rapid thermal annealed Bi-nSi Schottky photodetector using various methods: A comparative study. Optik, 2019, 188, 46-51.	2.9	1
134	Fabrication of high photosensitivity nanostructured n-Fe ₂ O ₃ /p-Si heterojunction photodetector by rapid thermal oxidation of chemically sprayed FeS ₂ film. Materials Research Express, 2019, , .	1.6	1
135	Preparation and investigation of nanostructured SnO ₂ :Pd/ porous silicon/c-Si heterostructure solar cell. Journal of Solid State Electrochemistry, 2021, 25, 1039-1048.	2.5	1
136	INFLUENCE OF CERIUM OXIDE NANOPARTICLES AND NPK NANOFERTILIZERS ON GROWTH AND YIELD OF CABBAGE PLANT. Plant Archives, 2021, 21, 1326-1331.	0.2	1
137	Structural, Optical and Electrical Properties of KCs ₂ Film Deposited by Spray Pyrolysis. Journal of Physics: Conference Series, 2021, 1795, 012027.	0.4	1
138	Construction and temporal behaviour study of multi RLC intense light pulses for dermatological applications. Journal of Cosmetic and Laser Therapy, 2017, 19, 325-333.	0.9	1
139	Study an Effect of Thiourea Concentration on the Structural, Optical and Electrical Properties of (Cu ₂ S) film Prepared by Chemical Bath Deposition (CBD). Kirkuk University Journal-Scientific Studies, 2019, 14, 97-115.	0.2	1
140	Preparation and Characteristics Study of High-Quantum Efficiency Ni/PSi/c-Si and cd/PSi/c-Si Double-Junction Photodetectors. Silicon, 2022, 14, 11089-11096.	3.3	1
141	HgI ₂ @CsI core/shell nanoparticles: Synthesis, characterization, and application in photosensors. Journal of the Indian Chemical Society, 2022, 99, 100515.	2.8	1
142	Impact of CN _x Layer Thickness on the Performance of c-Si Solar Cells: Experimental and PC1D Simulation Study. Silicon, 2022, 14, 12485-12493.	3.3	1
143	Synthesis of Colloidal CsHgI ₃ Nanocrystals by Laser Ablation in Liquid for Organic-Inorganic Photodetectors. Journal of Electronic Materials, 2022, 51, 4509-4520.	2.2	1
144	Amorphous/Crystalline (n-n) Si Heterojunction Photodetector Made by Q-Switched 0.532-mm Laser Pulses with Novel Technique. Chinese Physics Letters, 2006, 23, 370-373.	3.3	0

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145	Acid resistance enhancement of human tooth enamel surface by Nd:YAG laser and incorporating silver nanoparticles: in vitro study. <i>Lasers in Dental Science</i> , 2020, 4, 7-16.	0.6	0
146	The Influence of Temperature on the structural and optical properties of Sb ₂ S ₃ thin films prepared by chemical bath deposition method. <i>Tikrit Journal of Pure Science</i> , 2019, 24, 79.	0.1	0
147	Study the Effect Thiourea Concentration to (Cu ₂ S/Si) Heterojunction Photodetector by Chemical Bath Deposition (CBD). <i>Kirkuk University Journal-Scientific Studies</i> , 2019, 14, 209-228.	0.2	0
148	Preparation and characterization of \hat{I}^2 -MnS nanostructure / Si photodetector by spray pyrolysis. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0
149	The Combination of Laser and Nanoparticles for Enamel Protection: An In Vitro Study. <i>Journal of Lasers in Medical Sciences</i> , 2021, 12, e82-e82.	1.2	0