

Amir Reza Sadrolhosseini

List of Publications by Year in descending order

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papers

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41
times ranked

818
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface plasmon resonance sensor for detecting of arsenic in aqueous solution using polypyrrole-chitosan-cobalt ferrite nanoparticles composite layer. <i>Optics Communications</i> , 2017, 383, 132-137.	2.1	52
2	Application of Polypyrrole Multi-Walled Carbon Nanotube Composite Layer for Detection of Mercury, Lead and Iron Ions Using Surface Plasmon Resonance Technique. <i>PLoS ONE</i> , 2014, 9, e93962.	2.5	50
3	Fabrication of Silver Nanoparticles Dispersed in Palm Oil Using Laser Ablation. <i>International Journal of Molecular Sciences</i> , 2010, 11, 4764-4770.	4.1	47
4	Polypyrrole-chitosan/nickel-ferrite nanoparticle composite layer for detecting heavy metal ions using surface plasmon resonance technique. <i>Optics and Laser Technology</i> , 2017, 93, 216-223.	4.6	46
5	Surface plasmon resonance detection of copper corrosion in biodiesel using polypyrrole-chitosan layer sensor. <i>Optical Review</i> , 2011, 18, 331-337.	2.0	36
6	Laser ablation synthesis and optical properties of copper nanoparticles. <i>Journal of Materials Research</i> , 2013, 28, 2629-2636.	2.6	36
7	Application of Polypyrrole-Chitosan Layer for Detection of Zn (II) and Ni (II) in Aqueous Solutions Using Surface Plasmon Resonance. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2013, 62, 284-287.	3.4	30
8	Optical Nonlinear Refractive Index of Laser-Ablated Gold Nanoparticles Graphene Oxide Composite. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-8.	2.7	26
9	Laser ablation synthesis of gold nanoparticles in tetrahydrofuran. <i>Optical Materials Express</i> , 2020, 10, 323.	3.0	25
10	Synthesis of Gold Nanoparticles Dispersed in Palm Oil Using Laser Ablation Technique. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-5.	2.7	24
11	Acid-Free Hydrothermal-Extraction and Molecular Structure of Carbon Quantum Dots Derived from Empty Fruit Bunch Biochar. <i>Materials</i> , 2020, 13, 3356.	2.9	24
12	Physical Properties of Normal Grade Biodiesel and Winter Grade Biodiesel. <i>International Journal of Molecular Sciences</i> , 2011, 12, 2100-2111.	4.1	21
13	Effect of phase transformation on physical and biological properties of PVA/CaFe ₂ O ₄ nanocomposite. <i>Fibers and Polymers</i> , 2016, 17, 1667-1674.	2.1	19
14	Surface plasmon resonance sensor using polypyrrole-chitosan/graphene quantum dots layer for detection of sugar. <i>Materials Research Express</i> , 2019, 6, 075028.	1.6	19
15	Spatial self-phase modulation patterns in graphene oxide and graphene oxide with silver and gold nanoparticles. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	3.3	18
16	Laser Ablation Technique for Synthesis of Metal Nanoparticle in Liquid. , 0, , .		18
17	Laser ablation synthesis of Ag nanoparticles in graphene quantum dots aqueous solution and optical properties of nanocomposite. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	16
18	Optical and Thermal Properties of Laser-Ablated Platinum Nanoparticles Graphene Oxide Composite. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6153.	4.1	13

#	ARTICLE	IF	CITATIONS
19	Enhancement of the fluorescence property of carbon quantum dots based on laser ablated gold nanoparticles to evaluate pyrene. <i>Optical Materials Express</i> , 2020, 10, 2227.	3.0	13
20	Preparation of Graphene Oxide Stabilized Nickel Nanoparticles with Thermal Effusivity Properties by Laser Ablation Method. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-9.	2.7	12
21	Green Fabrication of Copper Nanoparticles Dispersed in Walnut Oil Using Laser Ablation Technique. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-7.	2.7	12
22	Artificial Neural Network Modelling of Photodegradation in Suspension of Manganese Doped Zinc Oxide Nanoparticles under Visible-Light Irradiation. <i>Scientific World Journal</i> , The, 2014, 2014, 1-10.	2.1	10
23	Green Synthesis of Gold Nanoparticles in Pomegranate Seed Oil Stabilized Using Laser Ablation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014, 24, 1009-1013.	3.7	10
24	Optical Band Gap and Thermal Diffusivity of Polypyrrole-Nanoparticles Decorated Reduced Graphene Oxide Nanocomposite Layer. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-8.	2.7	10
25	Experimental and molecular modeling of interaction of carbon quantum dots with glucose. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	10
26	Surface plasmon resonance measurement of arsenic in low concentration using polypyrrole-graphene quantum dots layer. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 173, 108546.	5.0	10
27	Application of thermal lens technique to measure the thermal diffusivity of biodiesel blend. <i>Optical Review</i> , 2015, 22, 289-293.	2.0	7
28	Reduced Graphene Oxide Decorated with Polypyrrole Nanoparticles Layer for Detection of Pyrene Using Surface Plasmon Resonance Technique. <i>ECS Journal of Solid State Science and Technology</i> , 2016, 5, Q7-Q12.	1.8	7
29	Laser ablation synthesis of gold nanoparticle to enhance the fluorescence properties of graphene quantum dots. <i>Journal of Laser Applications</i> , 2019, 31, .	1.7	7
30	Power conversion efficiency (PCE) performance of back-illuminated DSSCs with different Pt catalyst contents at the optimized TiO ₂ thickness. <i>Optik</i> , 2020, 203, 163567.	2.9	7
31	Polypyrrole-Chitosan-CaFe ₂ O ₄ Layer Sensor for Detection of Anionic and Cationic Dye Using Surface Plasmon Resonance. <i>International Journal of Polymer Science</i> , 2020, 2020, 1-10.	2.7	7
32	Surface Plasmon Resonance Sensor Based on Polypyrrole-Chitosan-BaFe ₂ O ₄ Nanocomposite Layer to Detect the Sugar. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2855.	2.5	6
33	Surface Plasmon Resonance Sensor to Detect n-Hexane in Palm Kernel Oil Using Polypyrrole Nanoparticles Reduced Graphene Oxide Layer. <i>Journal of Sensors</i> , 2021, 2021, 1-13.	1.1	6
34	Optical and Photoacoustic Properties of Laser-Ablated Silver Nanoparticles in a Carbon Dots Solution. <i>Molecules</i> , 2020, 25, 5798.	3.8	5
35	Laser ablated titanium oxide nanoparticles in carbon quantum dots solution for detection of sugar using fluorescence spectroscopy. <i>Materials Research Express</i> , 2021, 8, 105003.	1.6	5
36	Application of Conducting Polymer Layer for Measurement of Ag Nanoparticle Concentration Using Surface Plasmon Resonance. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 520-525.	1.9	4

#	ARTICLE	IF	CITATIONS
37	Polypyrrole-BaFe ₂ O ₄ sensing layer for detection of strontium ion in aqueous solution using surface plasmon resonance curves fitting. <i>Optics and Laser Technology</i> , 2021, 140, 106970.	4.6	4
38	Impact of polyvinylpyrrolidone and quantity of silver nitrate on silver nanoparticles sizing via solvothermal method for dye-sensitized solar cells. <i>Surface and Interface Analysis</i> , 2022, 54, 109-116.	1.8	4
39	Photoluminescence property of laser-ablated zinc oxide-carbon quantum dots nanocomposites for detection of Hg and Pb ions. <i>Journal of Nanophotonics</i> , 2020, 14, .	1.0	3
40	Effect of toluene-4-sulfonic acid monohydrate concentrations on properties of polyaniline for pyrene detection via photoluminescence spectroscopy. <i>Optical Materials</i> , 2022, 131, 112711.	3.6	2
41	Measurement of copper nanoparticle concentration using surface plasmon resonance. , 2014, , .		0