

Hamed Abbasi

List of Publications by Year in descending order

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26
papers

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citations

1477746

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1125271

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all docs

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docs citations

26
times ranked

197
citing authors

#	ARTICLE	IF	CITATIONS
1	All-fiber-optic LIBS system for tissue differentiation: A prospect for endoscopic smart laser osteotomy. <i>Optics and Lasers in Engineering</i> , 2022, 148, 106765.	2.0	7
2	Sterile Tissue Ablation Using Laser Light System Design, Experimental Validation, and Outlook on Clinical Applicability. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2021, 15, .	0.4	1
3	Highly flexible fiber delivery of a high peak power nanosecond Nd:YAG laser beam for flexiscopic applications. <i>Biomedical Optics Express</i> , 2021, 12, 444.	1.5	7
4	Simulation of Echellogram Using Zemax OpticStudio and Matlab for LIBS. <i>Mechanisms and Machine Science</i> , 2021, , 211-218.	0.3	0
5	Robot- and Laser-Assisted Bio-Sample Preparation: Development of an Integrated, Intuitive System. <i>Mechanisms and Machine Science</i> , 2021, , 219-226.	0.3	0
6	A Simple Acoustic-Based Method for Lens-toSample Distance Adjustment in $\hat{\mu}$ LIBS. , 2020, , .		0
7	Laser in Bone Surgery. , 2020, , 99-109.		3
8	Combined Nd:YAG and Er:YAG lasers for real-time closed-loop tissue-specific laser osteotomy. <i>Biomedical Optics Express</i> , 2020, 11, 1790.	1.5	19
9	Decomposition of Bromocresol Green Using Non-Thermal Atmospheric Pressure Plasma Jet. , 2020, 67, .		1
10	Laser-induced breakdown spectroscopy as a potential tool for autocarbonization detection in laserosteotomy. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	28
11	Differentiation of femur bone from surrounding soft tissue using laser-induced breakdown spectroscopy as a feedback system for smart laserosteotomy. , 2018, , .		6
12	Plasma plume expansion dynamics in nanosecond Nd:YAG laserosteotome. , 2018, , .		4
13	Implementation of webcam-based hyperspectral imaging system. , 2018, , .		0
14	Degradation of bromophenol blue molecule during argon plasma jet irradiation. <i>Iranian Physical Journal</i> , 2017, 11, 97-102.	1.2	8
15	Study of Terahertz Antenna by Surface Wave Theory. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2017, 41, 1055-1061.	0.7	4
16	Effect of cooling water on ablation in Er:YAG laserosteotome of hard bone. , 2017, , .		7
17	Effect of laser pulse duration on ablation efficiency of hard bone in microseconds regime. , 2017, , .		3
18	Studying tunability of some NIR semiconductor lasers by external cavity setup. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Laser-Induced Breakdown Spectroscopy Via the Spatially Resolved Technique Using Non-Gated Detector. Journal of Russian Laser Research, 2016, 37, 164-171.	0.3	9
20	Design and development of a LabVIEW-based LED-induced fluorescence spectroscopy system with applications in non-destructive quality assessment of agricultural products. Journal of Physics: Conference Series, 2016, 672, 012010.	0.3	1
21	Measuring electron density, electric field and temperature of a micro-discharge air plasma jet using optical emission spectroscopy. , 2015, , .		3
22	Studying the Recent Improvements in Holograms for Three-Dimensional Display. International Journal of Optics, 2014, 2014, 1-7.	0.6	7
23	A Study on Applications of Holography in Solar Energy Installations. Springer Proceedings in Physics, 2014, , 131-136.	0.1	1
24	Preparation of Colloidal Silver Nanoparticles by Laser Ablation; Evaluation and Study on its Developed Applications. Advanced Materials Research, 2012, 488-489, 1409-1413.	0.3	2
25	Fabrication and Nonlinear Refractive Index Measurement of Colloidal Silver Nanoparticles. International Journal of Applied Physics and Mathematics, 2012, , 135-139.	0.3	5
26	Gold Nanoparticles: Synthesising, Characterizing and Reviewing Novel Application in Recent Years. Physics Procedia, 2011, 22, 203-208.	1.2	57