

Paraskevi Pouli

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,011
citations

331259

21
h-index

433756

31
g-index

49
all docs

49
docs citations

49
times ranked

633
citing authors

#	ARTICLE	IF	CITATIONS
1	Practical issues in laser cleaning of stone and painted artefacts: optimisation procedures and side effects. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 106, 447-464.	1.1	82
2	Yellowing effect and discoloration of pigments: experimental and theoretical studies. <i>Journal of Cultural Heritage</i> , 2003, 4, 249-256.	1.5	71
3	Analysis of the laser-induced reduction mechanisms of medieval pigments. <i>Applied Surface Science</i> , 2001, 173, 252-261.	3.1	62
4	Measuring the thickness of protective coatings on historic metal objects using nanosecond and femtosecond laser induced breakdown spectroscopy depth profiling. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 1163-1171.	1.5	55
5	The laser-induced discoloration of stonework; a comparative study on its origins and remedies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 932-945.	2.0	43
6	Recent Studies of Laser Science in Paintings Conservation and Research. <i>Accounts of Chemical Research</i> , 2010, 43, 771-781.	7.6	43
7	Comparative study on the application of the 1st and the 3rd harmonic of a Q-switched Nd:YAG laser system to clean black encrustation on marble. <i>Journal of Cultural Heritage</i> , 2003, 4, 83-91.	1.5	42
8	Studies towards a thorough understanding of the laser-induced discoloration mechanisms of medieval pigments. <i>Journal of Cultural Heritage</i> , 2003, 4, 271-275.	1.5	39
9	Wavelength and pulse duration effects on laser induced changes on raw pigments used in paintings. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 102, 7-14.	2.0	35
10	Laser assisted removal of synthetic painting-conservation materials using UV radiation of ns and fs pulse duration: Morphological studies on model samples. <i>Applied Surface Science</i> , 2009, 255, 4955-4960.	3.1	34
11	Laser conservation of art. <i>Nature Materials</i> , 2007, 6, 320-322.	13.3	33
12	On-line photoacoustic monitoring of laser cleaning on stone: Evaluation of cleaning effectiveness and detection of potential damage to the substrate. <i>Journal of Cultural Heritage</i> , 2019, 35, 108-115.	1.5	33
13	A spectral imaging methodology for determining on-line the optimum cleaning level of stonework. <i>Journal of Cultural Heritage</i> , 2010, 11, 325-328.	1.5	30
14	Development of a hybrid photoacoustic and optical monitoring system for the study of laser ablation processes upon the removal of encrustation from stonework. <i>Opto-Electronic Advances</i> , 2020, 3, 19003701-19003711.	6.4	29
15	The potential of UV femtosecond laser ablation for varnish removal in the restoration of painted works of art. <i>Applied Surface Science</i> , 2008, 254, 6875-6879.	3.1	28
16	The effect of Nd:YAG laser radiation on medieval pigments. <i>Journal of Cultural Heritage</i> , 2000, 1, S181-S188.	1.5	27
17	The two-wavelength laser cleaning methodology; theoretical background and examples from its application on CH objects and monuments with emphasis to the Athens Acropolis sculptures. <i>Heritage Science</i> , 2016, 4, .	1.0	26
18	Short free running Nd:YAG laser to clean different encrustations on Pentelic marble: procedure and evaluation of the effects. <i>Journal of Cultural Heritage</i> , 2003, 4, 77-82.	1.5	24

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19	Analytical Spectroscopic Investigation of Wavelength and Pulse Duration Effects on Laser-Induced Changes of Egg-Yolk-Based Tempera Paints. <i>Applied Spectroscopy</i> , 2010, 64, 528-536.	1.2	23
20	Laser-Assisted Removal of Graffiti from Granite: Advantages of the Simultaneous Use of Two Wavelengths. <i>Coatings</i> , 2018, 8, 124.	1.2	23
21	Laser cleaning of inorganic encrustation on excavated objects: evaluation of the cleaning result by means of multi-spectral imaging. <i>Journal of Cultural Heritage</i> , 2003, 4, 338-342.	1.5	21
22	Nonlinear imaging microscopy for assessing structural and photochemical modifications upon laser removal of dammar varnish on photosensitive substrates. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 22836-22843.	1.3	21
23	The use of model probes for assessing in depth modifications induced during laser cleaning of modern paintings. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 647-652.	1.1	20
24	Laser cleaning of paintings: in situ optimization of operative parameters through non-invasive assessment by optical coherence tomography (OCT), reflection FT-IR spectroscopy and laser induced fluorescence spectroscopy (LIF). <i>Heritage Science</i> , 2019, 7, .	1.0	20
25	Characterization of Stone Cleaning by Nd:YAG Lasers with Different Pulse Duration. <i>Laser Chemistry</i> , 2006, 2006, 1-6.	0.5	19
26	Introducing the HERACLES Ontologyâ€™Semantics for Cultural Heritage Management. <i>Heritage</i> , 2018, 1, 377-391.	0.9	16
27	Nonlinear microscopy techniques for assessing the UV laser polymer interactions. <i>Optics Express</i> , 2012, 20, 3990.	1.7	13
28	Cleaning of gypsum-rich black crusts on granite using a dual wavelength Q-Switched Nd:YAG laser. <i>Construction and Building Materials</i> , 2019, 226, 721-733.	3.2	13
29	Listening to laser light interactions with objects of art: a novel photoacoustic approach for diagnosis and monitoring of laser cleaning interventions. <i>Heritage Science</i> , 2020, 8, .	1.0	12
30	Removal of dye-based ink stains from ivory: evaluation of cleaning results based on wavelength dependency and laser type. <i>Journal of Cultural Heritage</i> , 2003, 4, 98-105.	1.5	11
31	Laser-assisted removal of dark cement crusts from mineral gypsum (selenite) architectural elements of peripheral monuments at Knossos. <i>Studies in Conservation</i> , 2015, 60, S3-S11.	0.6	10
32	The potential use of plume imaging for real-time monitoring of laser ablation cleaning of stonework. <i>Applied Physics B: Lasers and Optics</i> , 2011, 105, 485-492.	1.1	9
33	Holographic testing of possible mechanical effects of laser cleaning on the structure of model fresco samples. <i>NDT and E International</i> , 2014, 63, 53-59.	1.7	9
34	â€™POLYGNOSISâ€™: the development of a thesaurus in an Educational Web Platform on optical and laser-based investigation methods for cultural heritage analysis and diagnosis. <i>Heritage Science</i> , 2017, 5, .	1.0	9
35	Nd:YAG laser double wavelength ablation of pollution encrustation on marble and bonding glues on duplicated painting canvas. <i>Applied Surface Science</i> , 2005, 248, 264-269.	3.1	5
36	In-depth assessment of modifications induced during the laser cleaning of modern paintings. <i>Proceedings of SPIE</i> , 2009, , .	0.8	5

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37	IRIS: a novel spectral imaging system for the analysis of cultural heritage objects. , 2011, , .		4
38	Monitoring and Mapping of Deterioration Products on Cultural Heritage Monuments Using Imaging and Laser Spectroscopy. Communications in Computer and Information Science, 2019, , 419-429.	0.4	4
39	Laser-induced fluorescence as a non-invasive tool to monitor laser-assisted thinning of aged varnish layers on paintings: fundamental issues and critical thresholds. European Physical Journal Plus, 2021, 136, 1.	1.2	3
40	Laser Cleaning on Stonework: Principles, Case Studies, and Future Prospects. Cultural Heritage Science, 2022, , 75-100.	0.3	2
41	The use of high-power lasers in diverse cleaning applications: an overview. , 2005, , .		1
42	Cleaning Of Black Crust From Marble Substrate By Short Free Running $\hat{1}$ / ₄ s Nd: YAG Laser. , 2009, , .		1
43	A comprehensive study of the coloration effect associated with laser cleaning of pollution encrustations from stonework. , 0, , .		0
44	The potential of femtosecond lasers for the cleaning of painted artefacts. , 0, , .		0
45	Femtosecond And Picosecond Laser Ablation Of Intraocular Lenses: An Advanced Technique For Their Surface Modification. , 2011, , .		0