

Eugen V Osiac

List of Publications by Year in descending order

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43
papers

760
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566801

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525886

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g-index

43
all docs

43
docs citations

43
times ranked

656
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of Optical Coherence Tomography in the Diagnosis of Enamel Defects. <i>Diagnostics</i> , 2022, 12, 636.	1.3	2
2	Modifications of the Dental Hard Tissues in the Cervical Area of Occlusally Overloaded Teeth Identified Using Optical Coherence Tomography. <i>Medicina (Lithuania)</i> , 2022, 58, 702.	0.8	3
3	Optical coherence tomography microscopy in experimental traumatic brain injury. <i>Microscopy Research and Technique</i> , 2021, 84, 422-431.	1.2	5
4	Roles of Microglial Ion Channel in Neurodegenerative Diseases. <i>Journal of Clinical Medicine</i> , 2021, 10, 1239.	1.0	10
5	Evaluation Through the Optical Coherence Tomography Analysis of the Influence of Non-Alcoholic Fatty Liver Disease on the Gingival Inflammation in Periodontal Patients. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 2935-2942.	1.1	3
6	Use of optical coherence tomography in orthodontics. <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 1424.	0.8	3
7	Heterogeneity in the Number of Astrocytes in the Central Nervous System after Peritonitis. <i>Current Health Sciences Journal</i> , 2021, 47, 164-169.	0.2	2
8	Different Age Related Neurological and Cardiac Effects of Verapamil on a Transgenic Mouse Model of Alzheimer's Disease. <i>Current Health Sciences Journal</i> , 2021, 47, 263-269.	0.2	0
9	JAK/STAT pathway in pathology of rheumatoid arthritis (Review). <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 3498-3503.	0.8	20
10	OCT Application in Direct Dental Restorations Marginal Fit Evaluation. <i>Revista De Chimie (discontinued)</i> , 2019, 70, 1439-1444.	0.2	1
11	Optical coherence tomography assessment of gingival epithelium inflammatory status in periodontal " Systemic affected patients. <i>Annals of Anatomy</i> , 2018, 219, 51-56.	1.0	16
12	OCT aspects of dental hard tissue changes induced by excessive occlusal forces. , 2018, , .		0
13	OCT investigation of dental lesions. , 2018, , .		0
14	Osseointegration Evaluation of Two Socket Preservation Materials in Small Diameter Bone Cavities An in vivo lab rats study. <i>Revista De Chimie (discontinued)</i> , 2018, 69, 2904-2909.	0.2	0
15	Optical coherence tomography applications in tooth wear diagnosis. <i>Romanian Journal of Morphology and Embryology</i> , 2017, 58, 99-106.	0.4	8
16	Optical coherence tomography as a promising imaging tool for brain investigations. <i>Romanian Journal of Morphology and Embryology</i> , 2014, 55, 507-12.	0.4	6
17	Optical coherence tomography investigation of ischemic stroke inside a rodent model. <i>Romanian Journal of Morphology and Embryology</i> , 2014, 55, 767-72.	0.4	9
18	Simultaneous dual-wavelength operation at 1.06 and 1.34 μm in Nd-vanadate laser crystals. <i>Laser Physics</i> , 2012, 22, 866-871.	0.6	4

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19	Optical coherence tomography and Doppler optical coherence tomography in the gastrointestinal tract. World Journal of Gastroenterology, 2011, 17, 15.	1.4	33
20	Upconversion emission of RE ³⁺ in Sc ₂ O ₃ ceramic under 800nm pumping. Optical Materials, 2009, 31, 744-749.	1.7	27
21	Energy transfer-driven infrared emission processes in rare earth-doped Sc ₂ O ₃ ceramics. Journal of Luminescence, 2009, 129, 1862-1865.	1.5	12
22	Pump wavelengths for an Er:YLiF ₄ green-emitting laser. Optical Materials, 2007, 30, 181-183.	1.7	2
23	Quantum efficiency of 1S ₀ and 3P _{0,1} levels of Pr ³⁺ doped YF ₃ . Chemical Physics, 2005, 310, 139-144.	0.9	21
24	Emission and excitation characteristics and internal quantum efficiencies of vacuum-ultraviolet excited Pr ³⁺ -doped fluoride compounds. Physical Review B, 2005, 71, .	1.1	43
25	Phase-sensitive detection of excited-state absorption transitions in Yb ³⁺ -codoped, Ho ³⁺ -doped YLiF ₄ . Journal of the Optical Society of America B: Optical Physics, 2005, 22, 323.	0.9	8
26	Optical pump-probe processes in Nd ³⁺ -doped KPb ₂ Br ₅ , RbPb ₂ Br ₅ , and KPb ₂ Cl ₅ . Journal of the Optical Society of America B: Optical Physics, 2005, 22, 2610.	0.9	17
27	Advances in up-conversion lasers based on Er ³⁺ and Pr ³⁺ . Optical Materials, 2004, 26, 365-374.	1.7	93
28	Diode pumping of a continuous-wave Pr ³⁺ -doped LiYF ₄ laser. Optics Letters, 2004, 29, 2638.	1.7	155
29	Spectroscopic characterisation of the upconversion avalanche mechanism in Pr ³⁺ , Yb ³⁺ :BaY ₂ F ₈ . Optical Materials, 2003, 24, 537-545.	1.7	25
30	Orange and red upconversion laser pumped by an avalanche mechanism in Pr ³⁺ , Yb ³⁺ :BaY ₂ F ₈ . Applied Physics Letters, 2003, 82, 3832-3834.	1.5	59
31	Evaluation of the upconversion mechanisms in Ho ³⁺ -doped crystals: Experiment and theoretical modeling. Physical Review B, 2002, 65, .	1.1	25
32	Green upconverted emission by infrared pump in Ho ³⁺ -doped YAlO ₃ . Journal of Alloys and Compounds, 2002, 341, 263-266.	2.8	11
33	Upconversion-induced blue, green and red emission in Ho ³⁺ :BaY ₂ F ₈ . Journal of Alloys and Compounds, 2001, 323-324, 283-287.	2.8	30
34	The nature of nonequivalent Nd ³⁺ centers in CNGG and CLNGG. Optical Materials, 2001, 16, 403-411.	1.7	41
35	Avalanche-like mechanisms and up-conversion processes under infrared pumping in Ho ³⁺ , Yb ³⁺ :YAlO ₃ . Journal of Luminescence, 2001, 94-95, 289-292.	1.5	31
36	Spectroscopy and energy transfer characteristics of Nd ³⁺ in CNGG. , 2001, 4430, 62.		2

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37	Influence of cross-relaxation parameter on the sensitized photon avalanche. , 2000, , .		0
38	Growth and spectral characteristics of Nd ³⁺ in calcium lithium niobium gallium garnet (CLNCG) crystals. , 2000, , .		0
39	Optical phonon effects on linewidth of several laser active ions in YAG. , 2000, 4068, 232.		0
40	Excited state dynamics in sensitized photon avalanche processes. Journal of Luminescence, 1998, 76-77, 441-446.	1.5	11
41	Spectral and dynamical effects of octahedral impurities on in garnets. Journal of Physics Condensed Matter, 1998, 10, 9701-9710.	0.7	22
42	Excitation upconversion by sensitized photon avalanche. , 1998, , .		0
43	Pump distribution effects on photon avalanche in fiber lasers. , 1998, , .		0