

# Saulius Juodkazis

## List of Publications by Year in descending order

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709  
papers

22,572  
citations

10389

72  
h-index

17105

122  
g-index

736  
all docs

736  
docs citations

736  
times ranked

15452  
citing authors

#	ARTICLE	IF	CITATIONS
1	TiO <sub>2</sub> /Au/TiO <sub>2</sub> plasmonic photocatalyst with enhanced photocatalytic activity and stability under visible-light irradiation. <i>Catalysis Today</i> , 2022, 397-399, 257-264.	4.4	7
2	Variable focus convex microlens array on K9 glass substrate based on femtosecond laser processing and hot embossing lithography. <i>Optics Letters</i> , 2022, 47, 22.	3.3	5
3	Fluorescence Colour Control in Perylene-3,4,9,10-tetracarboxylic diimide Labeled Polymer Chains Trapped by Nanotextured Silicon. <i>Angewandte Chemie - International Edition</i> , 2022, , .	13.8	2
4	Absorption and scattering in perfect thermal radiation absorber-emitter metasurfaces. <i>Optics Express</i> , 2022, 30, 4058.	3.4	17
5	Programmed Death of Injured <i>Pseudomonas aeruginosa</i> on Mechano-Bactericidal Surfaces. <i>Nano Letters</i> , 2022, 22, 1129-1137.	9.1	23
6	Biomimetic sapphire windows enabled by inside-out femtosecond laser deep-scribing. <i>Photonix</i> , 2022, 3, .	13.5	75
7	Coupling of molecular vibration and metasurface modes for efficient mid-infrared emission. <i>Journal of Materials Chemistry C</i> , 2022, 10, 451-462.	5.5	19
8	Magnetic field induced alignment of macroradical epoxy for enhanced electrical properties. <i>Soft Matter</i> , 2022, 18, 5194-5203.	2.7	5
9	Review of engineering techniques in chaotic coded aperture imagers. <i>Light Advanced Manufacturing</i> , 2022, 3, 1.	5.1	10
10	Two-Dimensional Dy <sub>2</sub> O <sub>3</sub> -Pd-PDA/rGO Heterojunction Nanocomposite: Synergistic Effects of Hybridisation, UV Illumination and Relative Humidity on Hydrogen Gas Sensing. <i>Chemosensors</i> , 2022, 10, 78.	3.6	10
11	Frontispiz: Fluorescence Colour Control in Perylene-3,4,9,10-tetracarboxylic diimide Labeled Polymer Chains Trapped by Nanotextured Silicon. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
12	Roadmap on chaos-inspired imaging technologies (CI2-Tech). <i>Applied Physics B: Lasers and Optics</i> , 2022, 128, 1.	2.2	27
13	Frontispiece: Fluorescence Colour Control in Perylene-3,4,9,10-tetracarboxylic diimide Labeled Polymer Chains Trapped by Nanotextured Silicon. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	0
14	Free-Form Micro-Optics Out of Crystals: Femtosecond Laser 3D Sculpturing. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	19
15	Three-Dimensional Incoherent Imaging Using Spiral Rotating Point Spread Functions Created by Double-Helix Beams [Invited]. <i>Nanoscale Research Letters</i> , 2022, 17, 37.	5.7	19
16	Estimating dielectric parameters by reflecting evanescent waves at THz frequencies. , 2022, , .		1
17	Spectral shaping based on optical waveguides with advanced Sagnac loop reflectors. , 2022, , .		6
18	Optical anisotropy of glancing angle deposited thin films on nano-patterned substrates. <i>Optical Materials Express</i> , 2022, 12, 1281.	3.0	0

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19	Anisotropic 3D columnar micro-film coating for applications in infrared and visible spectral ranges. <i>Applied Surface Science</i> , 2022, 590, 152910.	6.1	1
20	Ultra-Sensitive Photo-Induced Hydrogen Gas Sensor Based on Two-Dimensional CeO <sub>2</sub> -Pd-PDA/rGO Heterojunction Nanocomposite. <i>Nanomaterials</i> , 2022, 12, 1628.	4.1	10
21	Spatio-temporal control of THz emission. <i>Communications Physics</i> , 2022, 5, .	5.3	11
22	Augmentation of surface plasmon-enhanced second harmonic generation from Au nanoprisms on SiO <sub>2</sub> /Si: interference contribution. <i>Optics Express</i> , 2022, 30, 22161.	3.4	1
23	White Light Correlation Holography Using a Random Lens for Astronomical Imaging Applications. , 2022, , .		0
24	Simultaneous Detection of Modal Composition and Wavelength of OAM Fields Using a Hexagonal Vortex Filter. , 2022, , .		1
25	Nonlinear Reconstruction of Images from Patterns Generated by Deterministic or Random Optical Masks—Concepts and Review of Research. <i>Journal of Imaging</i> , 2022, 8, 174.	3.0	18
26	Site-Selective Au <sup>+</sup> Electroreduction in Titania Nanotubes for Electrochemical and Plasmonic Applications. <i>ACS Applied Nano Materials</i> , 2022, 5, 7696-7703.	5.0	2
27	Polariscopy with optical near-fields. <i>Nanoscale Horizons</i> , 2022, 7, 1047-1053.	8.0	6
28	Lethal Interactions of Atomically Precise Gold Nanoclusters and <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> Bacterial Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 32634-32645.	8.0	11
29	The Tunable Coupling between Metasurface and Molecular Vibration towards the Platform of Spectral Analysis. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 1318-1324.	3.2	1
30	Mechano-bactericidal actions of nanostructured surfaces. <i>Nature Reviews Microbiology</i> , 2021, 19, 8-22.	28.6	264
31	3D Subtractive/Additive Printing with Ultrashort Laser Pulses: A Matured Technology. , 2021, , 1-22.		0
32	3D Subtractive Printing with Ultrashort Laser Pulses. , 2021, , 1-23.		0
33	Review of Fresnel incoherent correlation holography with linear and non-linear correlations [Invited]. <i>Chinese Optics Letters</i> , 2021, 19, 020501.	2.9	21
34	Polymerization mechanisms initiated by spatio-temporally confined light. <i>Nanophotonics</i> , 2021, 10, 1211-1242.	6.0	71
35	Hyperspectral Molecular Orientation Mapping in Metamaterials. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1544.	2.5	9
36	Analyte Co-localization at Electromagnetic Gap Hot-Spots for Highly Sensitive (Bio)molecular Detection by Plasmon Enhanced Spectroscopies. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 9113-9121.	8.0	11

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37	Using Attenuated Total Reflection (ATR) Apparatus to Investigate the Temperature Dependent Dielectric Properties of Water, Ice, and Tissue-Representative Fats. Applied Sciences (Switzerland), 2021, 11, 2544.	2.5	5
38	Advanced Multi-Functional Integrated Photonic Filters Based on Coupled Sagnac Loop Reflectors. Journal of Lightwave Technology, 2021, 39, 1400-1408.	4.6	21
39	Remote-sensing concept using polariscopy for orientation determination below the spatial resolution limit. , 2021, , .		1
40	High performance optical filters based on advanced coupled Sagnac loop waveguide reflector structures. , 2021, , .		5
41	Vector scanning subtractive manufacturing technology for laser rapid fabrication. Optics Letters, 2021, 46, 1963.	3.3	8
42	Electrical Breakdown Spectroscopy of Nano-/Micro-Thermites. Technologies, 2021, 9, 34.	5.1	1
43	Birefringent optical retarders from laser 3D-printed dielectric metasurfaces. Applied Physics Letters, 2021, 118, .	3.3	20
44	Spectral optical vortex modulation from geometric phase diamond metasurface arrays. Applied Physics Letters, 2021, 118, .	3.3	3
45	White light three-dimensional imaging using a quasi-random lens. Optics Express, 2021, 29, 15551.	3.4	20
46	FIB micro-milled sapphire for GaN maskless epitaxial lateral overgrowth: a systematic study on patterning geometry. Journal of Materials Science: Materials in Electronics, 2021, 32, 14532.	2.2	1
47	Three Waveguide Coupled Sagnac Loop Reflectors for Advanced Spectral Engineering. Journal of Lightwave Technology, 2021, 39, 3478-3487.	4.6	18
48	Incoherent Optical Tweezers on Black Titanium. ACS Applied Materials & Interfaces, 2021, 13, 27586-27593.	8.0	9
49	Edge and Contrast Enhancement Using Spatially Incoherent Correlation Holography Techniques. Photonics, 2021, 8, 224.	2.0	14
50	Spectroscopy of excised skin patches exposed to THz and far-IR radiation. Biomedical Optics Express, 2021, 12, 4610.	2.9	3
51	Three-dimensional non-destructive visualization of teeth enamel microcracks using X-ray micro-computed tomography. Scientific Reports, 2021, 11, 14810.	3.3	8
52	Spectral Shaping Based on Coupled Sagnac Loop Reflectors Formed by a Self-Coupled Wire Waveguide. IEEE Photonics Technology Letters, 2021, 33, 680-683.	2.5	12
53	Dynamic Structural Color Display Based on Femtosecond Laser Variable Polarization Processing. Advanced Materials Interfaces, 2021, 8, 2100460.	3.7	12
54	Invasive and Non-Invasive Observation of Occluded Fast Transient Events: Computational Tools. Photonics, 2021, 8, 253.	2.0	8

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55	Plasmomechanical Systems: Principles and Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2103706.	14.9	18
56	Exploiting spatio-spectral aberrations for rapid synchrotron infrared imaging. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 1616-1619.	2.4	10
57	Attenuated Total Reflection at THz Wavelengths: Prospective Use of Total Internal Reflection and Polariscopy. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7632.	2.5	14
58	Roadmap on Recent Progress in FINCH Technology. <i>Journal of Imaging</i> , 2021, 7, 197.	3.0	51
59	Quantifying end-face quality of cleaved fibers: Femtosecond laser versus mechanical scribing. <i>Optics and Laser Technology</i> , 2021, 141, 107111.	4.6	5
60	Atoms vs. Ions: Intermediates in Reversible Electrochemical Hydrogen Evolution Reaction. <i>Catalysts</i> , 2021, 11, 1135.	3.5	5
61	Macroradical enables electrical conduction in epoxy thermoset. <i>Polymer</i> , 2021, 230, 124046.	3.8	5
62	Antifungal versus antibacterial defence of insect wings. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 886-897.	9.4	27
63	Distribution states of graphene in polymer nanocomposites: A review. <i>Composites Part B: Engineering</i> , 2021, 226, 109353.	12.0	67
64	Spatio-spectral-temporal Imaging of Fast Transient Phenomena Using a Random Array of Pinholes. <i>Advanced Photonics Research</i> , 2021, 2, 2000032.	3.6	17
65	Color Centers Enabled by Direct Femto-Second Laser Writing in Wide Bandgap Semiconductors. <i>Nanomaterials</i> , 2021, 11, 72.	4.1	30
66	Robust Demultiplexing of Distinct Orbital Angular Momentum Infrared Vortex Beams Into Different Spatial Geometry Over a Broad Spectral Range. <i>IEEE Access</i> , 2021, 9, 143341-143348.	4.2	3
67	Imaging with diffractive axicons rapidly milled on sapphire by femtosecond laser ablation. <i>Applied Physics B: Lasers and Optics</i> , 2021, 127, 1.	2.2	10
68	3D Subtractive/Additive Printing with Ultrashort Laser Pulses: A Matured Technology. , 2021, , 1431-1452.		0
69	Estimating the dielectric parameters of water and gel using reflectance and transmission at 1.85 to 2.07 THz. , 2021, , .		2
70	Classical High Performance Filters with Integrated Waveguide Coupled Sagnac Loop Reflectors. , 2021, , .		0
71	Deep Subwavelength Laser-Induced Periodic Surface Structures on Silicon as a Novel Multifunctional Biosensing Platform. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 54551-54560.	8.0	39
72	Anisotropy of 3D Columnar Coatings in Mid-Infrared Spectral Range. <i>Nanomaterials</i> , 2021, 11, 3247.	4.1	3

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73	Roadmap on Digital Holography-Based Quantitative Phase Imaging. <i>Journal of Imaging</i> , 2021, 7, 252.	3.0	37
74	3D Subtractive Printing with Ultrashort Laser Pulses. , 2021, , 1227-1248.		0
75	Enhanced Reconstruction of Spatially Incoherent Digital Holograms Using Synthetic Point Spread Holograms. , 2021, 11, .		0
76	Ultra-Short-Pulse Lasersâ€™Materialsâ€™Applications. , 2021, 11, .		5
77	Drone Polariscopyâ€™Towards Remote Sensing Applications. , 2021, 11, .		1
78	Rapid Fabrication of Large Area Diffractive Axicons for Astronomical Applications. , 2021, , .		0
79	High Intensity Laser Applications: Space Prospective. , 2021, , .		0
80	Laser 3D Printing of Inorganic Free-Form Micro-Optics. <i>Photonics</i> , 2021, 8, 577.	2.0	29
81	Tunable morphological changes of asymmetric titanium nanosheets with bactericidal properties. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 572-580.	9.4	51
82	3D microoptics via ultrafast laser writing: Miniaturization, integration, and multifunctionalities. , 2020, , 445-474.		2
83	Ultrasensitive SERS-Based Plasmonic Sensor with Analyte Enrichment System Produced by Direct Laser Writing. <i>Nanomaterials</i> , 2020, 10, 49.	4.1	37
84	Second Harmonic Generation from Phase-Engineered Metasurfaces of Nanoprisms. <i>Micromachines</i> , 2020, 11, 848.	2.9	4
85	Giant Enhancement of THz Wave Emission under Double-Pulse Excitation of Thin Water Flow. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2031.	2.5	13
86	Black-silicon-assisted photovoltaic cells for better conversion efficiencies: a review on recent research and development efforts. <i>Materials Today Energy</i> , 2020, 18, 100539.	4.7	29
87	Mechano-Bactericidal Titanium Surfaces for Bone Tissue Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 48272-48283.	8.0	62
88	Antibacterial Action of Nanoparticles by Lethal Stretching of Bacterial Cell Membranes. <i>Advanced Materials</i> , 2020, 32, e2005679.	21.0	102
89	Effect of neodymium stimulation on the dielectric, magnetic and humidity sensing properties of iron oxide nanoparticles. <i>Materials Chemistry and Physics</i> , 2020, 254, 123572.	4.0	11
90	Laser-printed hollow nanostructures for nonlinear plasmonics. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	7

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91	Direct Measurement of Temperature Diffusivity of Nanocellulose-Doped Biodegradable Composite Films. <i>Micromachines</i> , 2020, 11, 738.	2.9	13
92	Black silicon as a highly efficient photo-thermal converter for snow/ice melting in early spring agriculture. <i>Solar Energy Materials and Solar Cells</i> , 2020, 217, 110706.	6.2	9
93	Optical Trapping of Polystyrene Nanoparticles on Black Silicon: Implications for Trapping and Studying Bacteria and Viruses. <i>ACS Applied Nano Materials</i> , 2020, 3, 9831-9841.	5.0	24
94	Kirchhoff's Thermal Radiation from Lithography-Free Black Metals. <i>Micromachines</i> , 2020, 11, 824.	2.9	8
95	Effect of Vd-doping on dielectric, magnetic and gas sensing properties of nickel ferrite nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 16728-16736.	2.2	11
96	Single shot multispectral multidimensional imaging using chaotic waves. <i>Scientific Reports</i> , 2020, 10, 13902.	3.3	36
97	Laser Printing of Plasmonic Nanosponges. <i>Nanomaterials</i> , 2020, 10, 2427.	4.1	4
98	Characterisation of Biological Materials at THz Frequencies by Attenuated Total Reflection: Lard. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8692.	2.5	7
99	Lensless Three-Dimensional Quantitative Phase Imaging Using Phase Retrieval Algorithm. <i>Journal of Imaging</i> , 2020, 6, 99.	3.0	19
100	Pulsed laser deposition of Pt-WO <sub>3</sub> of hydrogen sensors under atmospheric conditions. <i>Applied Surface Science</i> , 2020, 534, 147568.	6.1	22
101	Black-Si as a Photoelectrode. <i>Nanomaterials</i> , 2020, 10, 873.	4.1	9
102	Laser polymerized photonic wire bonds approach 1 Tbit/s data rates. <i>Light: Science and Applications</i> , 2020, 9, 72.	16.6	9
103	Microring resonators with circular element inner-wall gratings for enhanced sensing. <i>Japanese Journal of Applied Physics</i> , 2020, 59, S00D02.	1.5	3
104	The multi-faceted mechano-bactericidal mechanism of nanostructured surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12598-12605.	7.1	119
105	Black Metals: Optical Absorbers. <i>Micromachines</i> , 2020, 11, 256.	2.9	14
106	Plasmon-induced photoluminescence and Raman enhancement in Pr:CaF <sub>2</sub> crystal by embedded silver nanoparticles. <i>Applied Surface Science</i> , 2020, 530, 147018.	6.1	11
107	Tailoring spontaneous infrared emission of HgTe quantum dots with laser-printed plasmonic arrays. <i>Light: Science and Applications</i> , 2020, 9, 16.	16.6	45
108	Thermal control of SZ2080 photopolymerization in four-beam interference lithography. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 5038-5045.	2.8	3

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109	Optically-Thin Broadband Graphene-Membrane Photodetector. <i>Nanomaterials</i> , 2020, 10, 407.	4.1	7
110	Novel Plasmonic Nanocavities for Optical Trapping-Assisted Biosensing Applications. <i>Advanced Optical Materials</i> , 2020, 8, 1901481.	7.3	70
111	A reliable chemiresistive sensor of nickel-doped tin oxide (Ni-SnO <sub>2</sub> ) for sensing carbon dioxide gas and humidity. <i>RSC Advances</i> , 2020, 10, 3796-3804.	3.6	30
112	Ablation in Externally Applied Electric and Magnetic Fields. <i>Nanomaterials</i> , 2020, 10, 182.	4.1	9
113	O-FIB: far-field-induced near-field breakdown for direct nanowriting in an atmospheric environment. <i>Light: Science and Applications</i> , 2020, 9, 41.	16.6	113
114	Detailed Experiment-Theory Comparison of Mid-Infrared Metasurface Perfect Absorbers. <i>Micromachines</i> , 2020, 11, 409.	2.9	22
115	Randomly Multiplexed Diffractive Lens and Axicon for Spatial and Spectral Imaging. <i>Micromachines</i> , 2020, 11, 437.	2.9	15
116	Light-Emitting Nanophotonic Designs Enabled by Ultrafast Laser Processing of Halide Perovskites. <i>Small</i> , 2020, 16, e2000410.	10.0	60
117	Hierarchical anti-reflective laser-induced periodic surface structures (LIPSSs) on amorphous Si films for sensing applications. <i>Nanoscale</i> , 2020, 12, 13431-13441.	5.6	67
118	Direct laser writing of optical field concentrators based on chirped three-dimensional photonic crystals. , 2020, , .		1
119	3D laser printing: high resolution and throughput. , 2020, , .		2
120	MetaOptics: opensource software for designing metasurface optical element GDSII layouts. <i>Optics Express</i> , 2020, 28, 3505.	3.4	13
121	Tilted black-Si: $\sim 1/4.45$ form-birefringence from sub-wavelength needles. <i>Optics Express</i> , 2020, 28, 16012.	3.4	10
122	Improvement and stabilization of optical hydrogen sensing ability of Au-Pd alloys. <i>Optics Express</i> , 2020, 28, 25383.	3.4	6
123	Convex silica microlens arrays via femtosecond laser writing. <i>Optics Letters</i> , 2020, 45, 636.	3.3	31
124	Silicon microprotrusions with tailored chirality enabled by direct femtosecond laser ablation. <i>Optics Letters</i> , 2020, 45, 3050.	3.3	12
125	Fresnel incoherent correlation holography with single camera shot. <i>Opto-Electronic Advances</i> , 2020, 3, 200004-200004.	13.3	40
126	Hyperspectral mapping of anisotropy. <i>Nanoscale Horizons</i> , 2019, 4, 1443-1449.	8.0	26



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127	Metamaterial for Hydrogen Sensing. ACS Sensors, 2019, 4, 2389-2394.	7.8	31
128	The idiosyncratic self-cleaning cycle of bacteria on regularly arrayed mechano-bactericidal nanostructures. Nanoscale, 2019, 11, 16455-16462.	5.6	26
129	Dielectric cross-shaped-resonator-based metasurface for vortex beam generation at mid-IR and THz wavelengths. Nanophotonics, 2019, 8, 1263-1270.	6.0	29
130	Interaction of Giant Unilamellar Vesicles with the Surface Nanostructures on Dragonfly Wings. Langmuir, 2019, 35, 2422-2430.	3.5	18
131	Ultratrace Nitroaromatic Vapor Detection via Surface-Enhanced Fluorescence on Carbazole-Terminated Black Silicon. ACS Sensors, 2019, 4, 2879-2884.	7.8	32
132	Near-Field IR Orientational Spectroscopy of Silk. Applied Sciences (Switzerland), 2019, 9, 3991.	2.5	9
133	Towards Safer Primers: A Review. Technologies, 2019, 7, 75.	5.1	6
134	Laser-Inscribed Stress-Induced Birefringence of Sapphire. Nanomaterials, 2019, 9, 1414.	4.1	13
135	Multi-Purpose Nanovoid Array Plasmonic Sensor Produced by Direct Laser Patterning. Nanomaterials, 2019, 9, 1348.	4.1	15
136	Phase controlled SERS enhancement. Scientific Reports, 2019, 9, 744.	3.3	17
137	Infrared Polariscope Imaging of Linear Polymeric Patterns with a Focal Plane Array. Nanomaterials, 2019, 9, 732.	4.1	14
138	Kirchhoff's metasurfaces towards efficient photo-thermal energy conversion. Scientific Reports, 2019, 9, 8284.	3.3	32
139	Outsmarting superbugs: bactericidal activity of nanostructured titanium surfaces against methicillin- and gentamicin-resistant <i>Staphylococcus aureus</i> ATCC 33592. Journal of Materials Chemistry B, 2019, 7, 4424-4431.	5.8	39
140	Nanoscale optical and structural characterisation of silk. Beilstein Journal of Nanotechnology, 2019, 10, 922-929.	2.8	15
141	The Fate of Osteoblast-Like MG-63 Cells on Pre-Infected Bactericidal Nanostructured Titanium Surfaces. Materials, 2019, 12, 1575.	2.9	33
142	Wrinkled Topologies: Influence of Amorphous, Carbon-Derived Wrinkled Surface Topologies on the Colonization of <i>Pseudomonas aeruginosa</i> Bacteria (Adv. Mater. Interfaces 7/2019). Advanced Materials Interfaces, 2019, 6, 1970044.	3.7	0
143	Combined soft lithographic and electrochemical fabrication of nanostructured platinum microelectrode arrays for miniaturized sensor applications. Microelectronic Engineering, 2019, 208, 39-46.	2.4	6
144	GDOESII: Software for design of diffractive optical elements and phase mask conversion to GDSII lithography files. SoftwareX, 2019, 9, 126-131.	2.6	5

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145	Optical Nanofabrication of Concave Microlens Arrays. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800272.	8.7	65
146	Si <sub>1-x</sub> Ge <sub>x</sub> nanoantennas with a tailored Raman response and light-to-heat conversion for advanced sensing applications. <i>Nanoscale</i> , 2019, 11, 11634-11641.	5.6	22
147	Influence of Amorphous, Carbon-Derived Wrinkled Surface Topologies on the Colonization of <i>Pseudomonas aeruginosa</i> Bacteria. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801890.	3.7	4
148	Correlated emission of X-ray and sound from water film irradiated by femtosecond laser pulses. <i>Applied Surface Science</i> , 2019, 480, 665-670.	6.1	3
149	Releasable Micro-waveplates. , 2019, , .		0
150	Hydrogen Evolution on Nano-StructuredCuO/Pd Electrode: Raman Scattering Study. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5301.	2.5	3
151	Corrigendum to: Dielectric cross-shaped-resonator-based metasurface for vortex beam generation at mid-IR and THz wavelengths. <i>Nanophotonics</i> , 2019, 8, 2359.	6.0	1
152	True 3D Additive-Manufacturing of Glass-Ceramics Down to Nanoscale. , 2019, , .		0
153	External Field-Controlled Ablation: Magnetic Field. <i>Nanomaterials</i> , 2019, 9, 1662.	4.1	13
154	Mechanical inactivation of <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> by titanium substrata with hierarchical surface structures. <i>Materialia</i> , 2019, 5, 100197.	2.7	50
155	Paracetamol micro-structure analysis by optical mapping. <i>Applied Surface Science</i> , 2019, 473, 127-132.	6.1	17
156	Advanced Design and Electrical Properties Simulation of Two-Dimensional Photovoltaic Devices. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11347-11350.	3.1	0
157	Direct laser printing of tunable IR resonant nanoantenna arrays. <i>Applied Surface Science</i> , 2019, 469, 514-520.	6.1	25
158	Fast fabrication of optical vortex generators by femtosecond laser ablation. <i>Applied Surface Science</i> , 2019, 475, 660-665.	6.1	14
159	Additive-manufacturing of 3D glass-ceramics down to nanoscale resolution. <i>Nanoscale Horizons</i> , 2019, 4, 647-651.	8.0	97
160	First Principles Calculations Toward Understanding SERS of 2,2'-Bipyridyl Adsorbed on Au, Ag, and Au-Ag Nanoalloy. <i>Journal of Computational Chemistry</i> , 2019, 40, 925-932.	3.3	19
161	Synthesis and characterization of surface patterned nanoimprinted in <sub>x</sub> Cr <sub>x</sub> /P(VDF-TrFE) nanocomposite films for solar cell application potential. <i>Polymer Composites</i> , 2019, 40, E136.	4.6	2
162	Direct laser writing of optical field concentrators based on chirped three-dimensional photonic crystals. , 2019, , .		1

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163	Mesoscale laser 3D printing. Optics Express, 2019, 27, 15205.	3.4	116
164	Control of diameter and numerical aperture of microlens by a single ultra-short laser pulse. Optics Letters, 2019, 44, 5149.	3.3	19
165	Influence of the dielectric substrate on the effective optical constants of silver plasmonic films. Applied Optics, 2019, 58, 6038.	1.8	1
166	UV illumination for electron and ion beam microscopy and nanofabrication. , 2019, , .		0
167	Perforated Microring Resonators for Enhanced Sensing. , 2019, , .		0
168	Orientation information added to IR hyperspectral imaging: silk and paracetamol. , 2019, , .		0
169	An optical fiber microprobe for surface-enhanced Raman scattering sensing with enhanced signal-to-background ratio. , 2019, , .		0
170	Silicon-based metasurfaces for vortex beam generation. , 2019, , .		0
171	Laser writing of color centers in silicon carbide. , 2019, , .		1
172	Ablation control by applying magnetic and electric fields. , 2019, , .		0
173	The double-edged sword of femtosecond laser-induced periodic surface structures for sub-diffraction and high-efficient nanotexturing. , 2019, , .		0
174	Large-area mask patterning for solar cell applications. , 2019, , .		1
175	Ultraviolet light emitting diode lamp for color perception research. , 2019, , .		0
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