

Harald Giessen

List of Publications by Year in descending order

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581
papers

38,339
citations

3515

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h-index

3394

183
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593
all docs

593
docs citations

593
times ranked

23567
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-compact 3D-printed wide-angle cameras realized by multi-aperture freeform optical design. Optics Express, 2022, 30, 707.	1.7	21
2	Emission spectroscopy of NaYF ₄ :Eu nanorods optically trapped by Fresnel lens fibers. Photonics Research, 2022, 10, 332.	3.4	9
3	Fresnel lens optical fiber tweezers to evaluate the vitality of single algae cells. Optics Letters, 2022, 47, 170.	1.7	7
4	Nanophotonic Chiral Sensing: How Does It Actually Work?. ACS Nano, 2022, 16, 2822-2832.	7.3	30
5	Burst-mode femtosecond fiber-feedback optical parametric oscillator. Optics Letters, 2022, 47, 525.	1.7	4
6	Femtosecond tunable light source with variable repetition rate between 640 kHz and 41 MHz with a 130 dB temporal pulse contrast ratio. Optics Express, 2022, 30, 1.	1.7	8
7	Micro-3D-printed multi-aperture freeform ultra-wide-angle systems: production, characterization, and correction. , 2022, , .		0
8	Atomic layer deposition of conformal anti-reflective coatings on complex 3D printed micro-optical systems. Optical Materials Express, 2022, 12, 2063.	1.6	12
9	3D-Printed Micro Lenslet Lens for In Vivo Multimodal Microendoscopy. Small, 2022, 18, e2107032.	5.2	21
10	Machine Learning Methods of Regression for Plasmonic Nanoantenna Glucose Sensing. Sensors, 2022, 22, 7.	2.1	7
11	Numerical optimization of single-mode fiber-coupled single-photon sources based on semiconductor quantum dots. Optics Express, 2022, 30, 15913.	1.7	20
12	3D-Printed Micro Lenslet Lens for In Vivo Multimodal Microendoscopy (Small 17/2022). Small, 2022, 18, .	5.2	0
13	Sub-40 fs optical parametric oscillator beyond the gain bandwidth limit. Optics Letters, 2022, 47, 3099.	1.7	1
14	Predicting Laser-Induced Colors of Random Plasmonic Metasurfaces and Optimizing Image Multiplexing Using Deep Learning. ACS Nano, 2022, 16, 9410-9419.	7.3	7
15	Microscopic 3D printed optical tweezers for atomic quantum technology. Quantum Science and Technology, 2022, 7, 045011.	2.6	11
16	Topological plasmonics: Ultrafast vector movies of plasmonic skyrmions on the nanoscale. , 2021, , .		0
17	Quantum Dot Single-Photon Emission Coupled into Single-Mode Fibers with 3D Printed Micro-Objectives. , 2021, , .		0
18	3D printed micro-optics for quantum technology: Optimised coupling of single quantum dot emission into a single-mode fibre. Light Advanced Manufacturing, 2021, 2, 103.	2.2	26

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19	Watching In Situ the Hydrogen Diffusion Dynamics in Magnesium on the Nanoscale. , 2021, , .		0
20	Nanophotonic Chiral Sensing: How Does it Actually Work?. , 2021, , .		1
21	Interaction of edge exciton polaritons with engineered defects in the hyperbolic material Bi ₂ Se ₃ . Communications Materials, 2021, 2, .	2.9	13
22	SEIRA Sensing of Different Sugars at Physiological Concentrations. , 2021, , .		0
23	3D-printed miniature spectrometer for the visible range with a 100 Å– 100 μm footprint. Light Advanced Manufacturing, 2021, 2, 20.	2.2	38
24	3D Printed Hybrid Refractive/Diffractive Achromat and Apochromat for the Visible Wavelength Range. , 2021, , .		0
25	Alignment-Free Mid-IR Source Tunable From 5 to 20 μm by Mixing Two Independently Tunable OPOs. , 2021, , .		0
26	Mark Stockman: Evangelist for Plasmonics. ACS Photonics, 2021, 8, 683-698.	3.2	2
27	Measuring Molecular Diffusion Through Thin Polymer Films with Dual-Band Plasmonic Antennas. ACS Nano, 2021, 15, 10393-10405.	7.3	6
28	Liquid Hydrogenation of Plasmonic Nanoantennas via Alcohol Deprotonation. ACS Photonics, 2021, 8, 1810-1816.	3.2	2
29	Niobium nitride plasmonic perfect absorbers for tunable infrared superconducting nanowire photodetection. Optics Express, 2021, 29, 17087.	1.7	5
30	3D printed hybrid refractive/diffractive achromat and apochromat for the visible wavelength range. Optics Letters, 2021, 46, 2485.	1.7	26
31	Shaping the Color and Angular Appearance of Plasmonic Metasurfaces with Tailored Disorder. ACS Nano, 2021, 15, 10318-10327.	7.3	21
32	Femtosecond Field-Driven On-Chip Unidirectional Electronic Currents in Nonadiabatic Tunneling Regime. Laser and Photonics Reviews, 2021, 15, 2000475.	4.4	10
33	Multiphoton Photoluminescence in Hybrid Plasmonic Fiber Cavities with Au and Au@Pd Nanobipyramids: Two-Photon versus Four-Photon Processes and Rapid Quenching. ACS Photonics, 2021, 8, 2088-2094.	3.2	8
34	Nanoscale Bouligand Multilayers: Giant Circular Dichroism of Helical Assemblies of Plasmonic 1D Nano-Objects. ACS Nano, 2021, 15, 13653-13661.	7.3	20
35	Phyllotaxis-inspired nanosieves with multiplexed orbital angular momentum. ELight, 2021, 1, .	11.9	132
36	Superconducting NbN plasmonic perfect absorbers for tunable single photon near- and mid-IR photodetection. , 2021, , .		0

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37	Robust and rapidly tunable light source for SRS/CARS microscopy with extremely low-intensity noise. , 2021, , .		0
38	Femtosecond Tunable Light Source with Variable Repetition Rate and Ultra-high Pulse Contrast Ratio. , 2021, , .		1
39	Electrically Switchable Metasurface for Beam Steering Using PEDOT Polymers. , 2021, , .		1
40	Extraordinarily Strong Second Harmonic Generation Enhancement in Hybrid Plasmon-Fiber Cavity System. , 2021, , .		0
41	Stitching-free 3D printing of millimeter-sized highly transparent spherical and aspherical optical components. , 2021, , .		0
42	Tunable s-SNOM for Nanoscale Infrared Optical Measurement of Electronic Properties of Bilayer Graphene. ACS Photonics, 2021, 8, 418-423.	3.2	17
43	Electrically switchable metallic polymer nanoantennas. Science, 2021, 374, 612-616.	6.0	86
44	Influence of disorder on a Bragg microcavity. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 139.	0.9	3
45	Giant Second Harmonic Generation Enhancement in a High- Q Doubly Resonant Hybrid Plasmon-Fiber Cavity System. ACS Nano, 2021, 15, 19409-19417.	7.3	8
46	Highly Efficient Dual-Fiber Optical Trapping with 3D Printed Diffractive Fresnel Lenses. ACS Photonics, 2020, 7, 88-97.	3.2	80
47	Ultra-Broadband and Omnidirectional Perfect Absorber Based on Copper Nanowire/Carbon Nanotube Hierarchical Structure. ACS Photonics, 2020, 7, 366-374.	3.2	12
48	Quantum confined Rydberg excitons in reduced dimensions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 024001.	0.6	19
49	Electrons Generate Self-Complementary Broadband Vortex Light Beams Using Chiral Photon Sieves. Nano Letters, 2020, 20, 5975-5981.	4.5	18
50	Optical Carbon Dioxide Detection in the Visible Down to the Single Digit ppm Range Using Plasmonic Perfect Absorbers. ACS Sensors, 2020, 5, 2628-2635.	4.0	10
51	Ultrathin monolithic 3D printed optical coherence tomography endoscopy for preclinical and clinical use. Light: Science and Applications, 2020, 9, 124.	7.7	80
52	Quantum dot single-photon emission coupled into single-mode fibers with 3D printed micro-objectives. APL Photonics, 2020, 5, .	3.0	35
53	Highly confined in-plane propagating exciton-polaritons on monolayer semiconductors. 2D Materials, 2020, 7, 035031.	2.0	32
54	Microwave probing of bulk dielectrics using superconducting coplanar resonators in distant-flip-chip geometry. Review of Scientific Instruments, 2020, 91, 054702.	0.6	2

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55	Watching in situ the hydrogen diffusion dynamics in magnesium on the nanoscale. <i>Science Advances</i> , 2020, 6, eaaz0566.	4.7	33
56	Tailored Optical Functionality by Combining Electron Beam and Focused Gold Ion Beam Lithography for Solid and Inverse Coupled Plasmonic Nanostructures. <i>Advanced Optical Materials</i> , 2020, 8, 2000879.	3.6	10
57	Low-Cost Hydrogen Sensor in the ppm Range with Purely Optical Readout. <i>ACS Sensors</i> , 2020, 5, 978-983.	4.0	43
58	Tailoring the plasmonic Fano resonance in metallic photonic crystals. <i>Nanophotonics</i> , 2020, 9, 523-531.	2.9	14
59	Design Principles for Sensitivity Optimization in Plasmonic Hydrogen Sensors. <i>ACS Sensors</i> , 2020, 5, 917-927.	4.0	39
60	Near-Unity Light Absorption in a Monolayer WS ₂ Van der Waals Heterostructure Cavity. <i>Nano Letters</i> , 2020, 20, 3545-3552.	4.5	48
61	Ultrafast vector imaging of plasmonic skyrmion dynamics with deep subwavelength resolution. <i>Science</i> , 2020, 368, .	6.0	105
62	Switchable Optical Nonlinearity at the Metal to Insulator Transition in Magnesium Thin Films. <i>ACS Photonics</i> , 2020, 7, 1560-1568.	3.2	2
63	Electrically switchable metasurface for beam steering using PEDOT polymers. <i>Journal of Optics (United Kingdom)</i> , 2020, 22, 124001.	1.0	15
64	Alignment-free difference frequency light source tunable from 5 to 20 μm by mixing two independently tunable OPOs. <i>Optics Express</i> , 2020, 28, 11883.	1.7	4
65	Arrays of individually controllable optical tweezers based on 3D-printed microlens arrays. <i>Optics Express</i> , 2020, 28, 8640.	1.7	22
66	Mass-producible micro-optical elements by injection compression molding and focused ion beam structured titanium molding tools. <i>Optics Letters</i> , 2020, 45, 1184.	1.7	6
67	Distortion-free multi-element Hypergon wide-angle micro-objective obtained by femtosecond 3D printing. <i>Optics Letters</i> , 2020, 45, 2784.	1.7	18
68	Optimizing magnesium thin films for optical switching applications: rules and recipes. <i>Optical Materials Express</i> , 2020, 10, 1346.	1.6	11
69	Tailored nanocomposites for 3D printed micro-optics. <i>Optical Materials Express</i> , 2020, 10, 2345.	1.6	28
70	Stitching-free 3D printing of millimeter-sized highly transparent spherical and aspherical optical components. <i>Optical Materials Express</i> , 2020, 10, 2370.	1.6	41
71	Optical properties of niobium nitride plasmonic nanoantennas for the near- and mid-infrared spectral range. <i>Optical Materials Express</i> , 2020, 10, 2597.	1.6	12
72	Tailored micro-optical freeform holograms for integrated complex beam shaping. <i>Optica</i> , 2020, 7, 1279.	4.8	41

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73	Electron-driven photon sources for correlative electron-photon spectroscopy with electron microscopes. <i>Nanophotonics</i> , 2020, 9, 4381-4406.	2.9	22
74	Compact harmonic cavity optical parametric oscillator for optical parametric amplifier seeding. <i>Optics Express</i> , 2020, 28, 25000.	1.7	2
75	Extremely Efficient Light-Exciton Interaction in a Monolayer WS ₂ van der Waals Heterostructure Cavity. , 2020, , .		0
76	Highly miniaturized endoscopic spatial confocal point distance sensor. <i>Optical Engineering</i> , 2020, 59, 1.	0.5	4
77	Dynamic tailoring of an optical skyrmion lattice in surface plasmon polaritons: comment. <i>Optics Express</i> , 2020, 28, 33614.	1.7	6
78	In Vitro Monitoring Conformational Changes of Polypeptide Monolayers Using Infrared Plasmonic Nanoantennas. <i>Nano Letters</i> , 2019, 19, 1-7.	4.5	45
79	Adaptive Method for Quantitative Estimation of Glucose and Fructose Concentrations in Aqueous Solutions Based on Infrared Nanoantenna Optics. <i>Sensors</i> , 2019, 19, 3053.	2.1	8
80	Electrochemistry on Inverse Copper Nanoantennas: Active Plasmonic Devices with Extraordinarily Large Resonance Shift. <i>ACS Photonics</i> , 2019, 6, 1863-1868.	3.2	26
81	Chiral Scatterometry on Chemically Synthesized Single Plasmonic Nanoparticles. <i>ACS Nano</i> , 2019, 13, 8659-8668.	7.3	69
82	Vibrational Sensing Using Infrared Nanoantennas: Toward the Noninvasive Quantitation of Physiological Levels of Glucose and Fructose. <i>ACS Sensors</i> , 2019, 4, 1973-1979.	4.0	45
83	Nonlinear Spectroscopy on the Plasmonic Analog of Electromagnetically Induced Absorption: Revealing Minute Structural Asymmetries. <i>ACS Photonics</i> , 2019, 6, 2850-2859.	3.2	8
84	Pushing Down the Limit: In Vitro Detection of a Polypeptide Monolayer on a Single Infrared Resonant Nanoantenna. <i>ACS Photonics</i> , 2019, 6, 2636-2642.	3.2	20
85	Innentitelbild: Selective Autonomous Molecular Transport and Collection by Hydrogel-Embedded Supramolecular Chemical Gradients (<i>Angew. Chem.</i> 50/2019). <i>Angewandte Chemie</i> , 2019, 131, 18046-18046.	1.6	0
86	Electron-Driven Photon Sources for Spectral Interferometry using Electron Microscopes. , 2019, , .		0
87	Selective Autonomous Molecular Transport and Collection by Hydrogel-Embedded Supramolecular Chemical Gradients. <i>Angewandte Chemie</i> , 2019, 131, 18333-18338.	1.6	6
88	Selective Autonomous Molecular Transport and Collection by Hydrogel-Embedded Supramolecular Chemical Gradients. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18165-18170.	7.2	9
89	Interaction of orbital angular momentum light with Rydberg excitons: Modifying dipole selection rules. <i>Physical Review B</i> , 2019, 100, .	1.1	25
90	Resonant Plasmonic Nanoslits Enable in Vitro Observation of Single-Monolayer Collagen-Peptide Dynamics. <i>ACS Sensors</i> , 2019, 4, 1966-1972.	4.0	16

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91	Stimulated Raman Scattering Microscopy with an All-Optical Modulator. <i>Physical Review Applied</i> , 2019, 11, .	1.5	4
92	Spatiotemporal Analysis of an Efficient Fresnel Grating Coupler for Focusing Surface Plasmon Polaritons. <i>ACS Photonics</i> , 2019, 6, 600-604.	3.2	13
93	Merging transformation optics with electron-driven photon sources. <i>Nature Communications</i> , 2019, 10, 599.	5.8	31
94	Nonlinear Born-Kuhn Analog for Chiral Plasmonics. <i>ACS Photonics</i> , 2019, 6, 3306-3314.	3.2	25
95	Utilizing niobium plasmonic perfect absorbers for tunable near- and mid-IR photodetection. <i>Optics Express</i> , 2019, 27, 25012.	1.7	16
96	3D printed stacked diffractive microlenses. <i>Optics Express</i> , 2019, 27, 35621.	1.7	40
97	Coherently broadened, high-repetition-rate laser for stimulated Raman scatteringâ€“spectroscopic optical coherence tomography. <i>Optics Letters</i> , 2019, 44, 291.	1.7	4
98	Tunable green lasing from circular grating distributed feedback based on $\text{CH}_3\text{NH}_3\text{PbBr}_3$ perovskite. <i>Optical Materials Express</i> , 2019, 9, 2006.	1.6	16
99	Optical properties of photoresists for femtosecond 3D printing: refractive index, extinction, luminescence-dose dependence, aging, heat treatment and comparison between 1-photon and 2-photon exposure. <i>Optical Materials Express</i> , 2019, 9, 4564.	1.6	110
100	Concept for a highly miniaturized endoscopic point distance sensor. , 2019, , .		0
101	Coupling a single solid-state quantum emitter to an array of resonant plasmonic antennas. <i>Scientific Reports</i> , 2018, 8, 3415.	1.6	15
102	Mathematical Modeling of a Plasmonic Palladium-Based Hydrogen Sensor. <i>IEEE Sensors Journal</i> , 2018, 18, 1946-1959.	2.4	10
103	Comprehensive Study of Plasmonic Materials in the Visible and Near-Infrared: Linear, Refractory, and Nonlinear Optical Properties. <i>ACS Photonics</i> , 2018, 5, 1058-1067.	3.2	56
104	Highly Sensitive Refractive Index Sensors with Plasmonic Nanoantennasâ€”Utilization of Optimal Spectral Detuning of Fano Resonances. <i>ACS Sensors</i> , 2018, 3, 960-966.	4.0	47
105	Wavelength-Dependent Third-Harmonic Generation in Plasmonic Gold Nanoantennas: Quantitative Determination of the d-Band Influence. <i>ACS Photonics</i> , 2018, 5, 1863-1870.	3.2	16
106	Nonreciprocal hybrid magnetoplasmonics. <i>Reports on Progress in Physics</i> , 2018, 81, 116401.	8.1	56
107	Nanoscale Hydrogenography on Single Magnesium Nanoparticles. <i>Nano Letters</i> , 2018, 18, 4293-4302.	4.5	35
108	Temperature dependent two-photon photoluminescence of $\text{CH}_3\text{NH}_3\text{PbBr}_3$: structural phase and exciton to free carrier transition. <i>Optical Materials Express</i> , 2018, 8, 511.	1.6	26

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109	Line-current model for deriving the wavelength scaling of linear and nonlinear optical properties of thin elongated metallic rod antennas. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 1482.	0.9	4
110	Ultranarrow Second-Harmonic Resonances in Hybrid Plasmon-Fiber Cavities. <i>Nano Letters</i> , 2018, 18, 5576-5582.	4.5	25
111	Single Plasmonic Oligomer Chiral Spectroscopy. <i>Advanced Optical Materials</i> , 2018, 6, 1800087.	3.6	29
112	Comment on "Enantioselective Optical Trapping of Chiral Nanoparticles with Plasmonic Tweezers". <i>ACS Photonics</i> , 2018, 5, 2533-2534.	3.2	4
113	Niobium as Alternative Material for Refractory and Active Plasmonics. <i>ACS Photonics</i> , 2018, 5, 3298-3304.	3.2	27
114	Alignment-free integration of apertures and nontransparent hulls into 3D-printed micro-optics. <i>Optics Letters</i> , 2018, 43, 5283.	1.7	24
115	Three-dimensional direct laser written achromatic axicons and multi-component microlenses. <i>Optics Letters</i> , 2018, 43, 5837.	1.7	38
116	Compact see-through AR system using buried imaging fiber bundles. , 2018, , .		0
117	Combining in-situ lithography with 3D printed solid immersion lenses for single quantum dot spectroscopy. <i>Scientific Reports</i> , 2017, 7, 39916.	1.6	57
118	Analytic Optimization of Near-Field Optical Chirality Enhancement. <i>ACS Photonics</i> , 2017, 4, 396-406.	3.2	39
119	Phase-resolved pulse propagation through metallic photonic crystal slabs: plasmonic slow light. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160065.	1.6	5
120	3D-printed eagle eye: Compound microlens system for foveated imaging. <i>Science Advances</i> , 2017, 3, e1602655.	4.7	227
121	Spectroscopy of Graphene at the Saddle Point. , 2017, , 325-347.		0
122	Probing the Near-Field of Second-Harmonic Light around Plasmonic Nanoantennas. <i>Nano Letters</i> , 2017, 17, 1931-1937.	4.5	34
123	Nanoantenna-Enhanced Infrared Spectroscopic Chemical Imaging. <i>ACS Sensors</i> , 2017, 2, 655-662.	4.0	19
124	3D printed complex microoptics: A new paradigm in optics manufacturing (Conference Presentation). , 2017, , .		0
125	Chiral plasmonics. <i>Science Advances</i> , 2017, 3, e1602735.	4.7	583
126	Hybrid Organic-Plasmonic Nanoantennas with Enhanced Third-Harmonic Generation. <i>ACS Omega</i> , 2017, 2, 2577-2582.	1.6	9

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127	Single Quantum Dot with Microlens and 3D-Printed Micro-objective as Integrated Bright Single-Photon Source. ACS Photonics, 2017, 4, 1327-1332.	3.2	63
128	Surface-Enhanced Infrared Spectroscopy Using Resonant Nanoantennas. Chemical Reviews, 2017, 117, 5110-5145.	23.0	457
129	Revealing the subfemtosecond dynamics of orbital angular momentum in nanoplasmonic vortices. Science, 2017, 355, 1187-1191.	6.0	217
130	Wavelength Scaling in Antenna-Enhanced Infrared Spectroscopy: Toward the Far-IR and THz Region. ACS Photonics, 2017, 4, 45-51.	3.2	28
131	Refractive Index Estimation from Spectral Measurements of a Plasmonic Glucose Sensor and Wavelength Selection * *The project was funded by Baden-WÄ¼rttemberg Stiftung gGmbH. The authors would also like to thank MWK BW, ERC COMPLEX-PLAS and AvH Stiftung.. IFAC-PapersOnLine, 2017, 50, 4406-4411.	0.5	1
132	Imaging the Nonlinear Plasmoemission Dynamics of Electrons from Strong Plasmonic Fields. Nano Letters, 2017, 17, 6569-6574.	4.5	54
133	Short-range surface plasmonics: Localized electron emission dynamics from a 60-nm spot on an atomically flat single-crystalline gold surface. Science Advances, 2017, 3, e1700721.	4.7	77
134	Refractory Plasmonics without Refractory Materials. Nano Letters, 2017, 17, 6402-6408.	4.5	52
135	Subfemtosecond and Nanometer Plasmon Dynamics with Photoelectron Microscopy: Theory and Efficient Simulations. ACS Photonics, 2017, 4, 2461-2469.	3.2	22
136	Analytical normalization of resonant states in photonic crystal slabs and periodic arrays of nanoantennas at oblique incidence. Physical Review B, 2017, 96, .	1.1	40
137	Plasmonic Analog of Electromagnetically Induced Absorption Leads to Giant Thin Film Faraday Rotation of 14Å°. Physical Review X, 2017, 7, .	2.8	33
138	Beam switching and bifocal zoom lensing using active plasmonic metasurfaces. Light: Science and Applications, 2017, 6, e17016-e17016.	7.7	313
139	Unbiased All-Optical Random-Number Generator. Physical Review X, 2017, 7, .	2.8	13
140	Modeling of pressure-composition isotherms and diffusion dynamics of a plasmonic palladium sensor for hydrogen detection. , 2017, , .		1
141	Single mode fiber based delivery of OAM light by 3D direct laser writing. Optics Express, 2017, 25, 19672.	1.7	66
142	Refractive index measurements of photo-resists for three-dimensional direct laser writing. Optical Materials Express, 2017, 7, 2293.	1.6	118
143	Nearly diffraction limited FTIR mapping using an ultrastable broadband femtosecond laser tunable from 133 to 8 Åµm. Optics Express, 2017, 25, 32355.	1.7	14
144	Integrated approach to realize top hat focal field distributions. , 2017, , .		0

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145	High repetition rate mid-infrared supercontinuum generation from 13 to 53 μm in robust step-index tellurite fibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 601.	0.9	55
146	Complex Micro-Optics by Femtosecond Direct Laser Writing. , 2017, , .		0
147	Linear and nonlinear optical properties of hybrid metallic-dielectric plasmonic nanoantennas. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 111-120.	1.5	30
148	Narrowband cw injection seeded high power femtosecond double-pass optical parametric generator at 43 MHz: Gain and noise dynamics. <i>Optics Express</i> , 2016, 24, 19558.	1.7	15
149	Low drift cw-seeded high-repetition-rate optical parametric amplifier for fingerprint coherent Raman spectroscopy. <i>Optics Express</i> , 2016, 24, 22296.	1.7	2
150	Simple ps microchip Nd:YVO ₄ laser with 3.3-ps pulses at 0.2 to 1.4 MHz and single-stage amplification to the microjoule level. <i>Optical Engineering</i> , 2016, 55, 066126.	0.5	1
151	Solitonic supercontinuum of femtosecond mid-IR pulses in W-type index tellurite fibers with two zero dispersion wavelengths. <i>APL Photonics</i> , 2016, 1, .	3.0	24
152	Short-range surface plasmonics and its (sub-)femtosecond dynamics. , 2016, , .		0
153	Simple ps microchip Nd:YVO ₄ laser with 3.3 ps pulses at 0.2 - 1.4 MHz and single-stage amplification to the microjoule level. , 2016, , .		2
154	Nonlinear Plasmonic Sensing. <i>Nano Letters</i> , 2016, 16, 3155-3159.	4.5	150
155	The optimal antenna for nonlinear spectroscopy of weakly and strongly scattering nanoobjects. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	4
156	Diffractive Spectral-Splitting Optical Element Designed by Adjoint-Based Electromagnetic Optimization and Fabricated by Femtosecond 3D Direct Laser Writing. <i>ACS Photonics</i> , 2016, 3, 886-894.	3.2	63
157	Reducing the Complexity: Enantioselective Chiral Near-Fields by Diagonal Slit and Mirror Configuration. <i>ACS Photonics</i> , 2016, 3, 1076-1084.	3.2	64
158	Synchronization-free all-solid-state laser system for stimulated Raman scattering microscopy. <i>Light: Science and Applications</i> , 2016, 5, e16149-e16149.	7.7	27
159	Ultrafast Nonlinear Plasmonic Spectroscopy: From Dipole Nanoantennas to Complex Hybrid Plasmonic Structures. <i>ACS Photonics</i> , 2016, 3, 1336-1350.	3.2	38
160	Lorentz Nonreciprocal Model for Hybrid Magnetoplasmonics. <i>Physical Review Letters</i> , 2016, 117, 063901.	2.9	18
161	Nonlinear Refractory Plasmonics with Titanium Nitride Nanoantennas. <i>Nano Letters</i> , 2016, 16, 5708-5713.	4.5	115
162	Das kleinste Endoskop der Welt per 3D-Druck. <i>Physik in Unserer Zeit</i> , 2016, 47, 214-215.	0.0	0

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163	Large-Area Low-Cost Plasmonic Perfect Absorber Chemical Sensor Fabricated by Laser Interference Lithography. ACS Sensors, 2016, 1, 1148-1154.	4.0	64
164	Correction to Helical Plasmonic Nanostructures as Prototypical Chiral Near-Field Sources. ACS Photonics, 2016, 3, 2000-2002.	3.2	2
165	Ultra-compact on-chip LED collimation optics by 3D femtosecond direct laser writing. Optics Letters, 2016, 41, 3029.	1.7	52
166	From Dark to Bright: First-Order Perturbation Theory with Analytical Mode Normalization for Plasmonic Nanoantenna Arrays Applied to Refractive Index Sensing. Physical Review Letters, 2016, 116, 237401.	2.9	73
167	Laser spectroscopy with tunable ultrafast optical parametric light sources. , 2016, , .		0
168	Design, simulation and 3D printing of complex micro-optics for imaging. , 2016, , .		3
169	Sub-micrometre accurate free-form optics by three-dimensional printing on single-mode fibres. Nature Communications, 2016, 7, 11763.	5.8	248
170	Hydrogen-regulated chiral nanoplasmonics. Proceedings of SPIE, 2016, , .	0.8	1
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172	Experimental long-term survey of mid-infrared supercontinuum source based on As ₂ S ₃ suspended-core fibers. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	14
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578	Efficient visible light generation in a femtosecond PPLN optical parametric oscillator using an uneven poling duty cycle. , 0, , .		0
579	1-GHz repetition-rate femtosecond optical parametric oscillator. , 0, , .		0
580	Coherence properties of white light continuum generation in tapered fibers in the fs and ps regime. , 0, , .		0
581	The influence of the disorder type on the optical properties of metallic photonic crystals. , 0, , .		0