## Christoph Lienau

List of Publications by Year in descending order

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307 papers 9,369 citations

47409 49 h-index 90 g-index

320 all docs 320 docs citations

times ranked

320

9727 citing authors

#	Article	IF	CITATIONS
1	Plasmon-Enhanced Exciton Delocalization in Squaraine-Type Molecular Aggregates. ACS Nano, 2022, 16, 4693-4704.	7.3	6
2	Intermolecular conical intersections in molecular aggregates. Nature Nanotechnology, 2021, 16, 63-68.	15.6	22
3	Transmitting Surface Plasmon Polaritons across Nanometer-Sized Gaps by Optical near-Field Coupling. ACS Photonics, 2021, 8, 832-840.	3.2	16
4	Space- and time-resolved second harmonic spectroscopy of coupled plasmonic nanocavities. Nanophotonics, 2021, 10, 3635-3645.	2.9	3
5	Femtosecond Fieldâ€Driven Onâ€Chip Unidirectional Electronic Currents in Nonadiabatic Tunneling Regime. Laser and Photonics Reviews, 2021, 15, 2000475.	4.4	10
6	Revealing generation, migration, and dissociation of electron-hole pairs and current emergence in an organic photovoltaic cell. Science Advances, 2021, 7, .	4.7	15
7	Distinguishing between coherent and incoherent signals in excitation-emission spectroscopy. Optics Express, 2021, 29, 24326.	1.7	3
8	Ultrafast Electron Tunneling Devices—From Electricâ€Field Driven to Opticalâ€Field Driven. Advanced Materials, 2021, 33, e2101449.	11.1	8
9	Probing Transient Localized Electromagnetic Fields Using Low-Energy Point-Projection Electron Microscopy. ACS Photonics, 2021, 8, 2573-2580.	<b>3.</b> 2	12
10	Strong inelastic scattering of slow electrons by optical near fields of small nanostructures. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 174001.	0.6	4
11	Plasmon-plasmon interactions supported by a one-dimensional plasmonic crystal: Rabi phase and generalized Rabi frequency. Physical Review B, 2020, 102, .	1.1	9
12	Strong-field nano-optics. Reviews of Modern Physics, 2020, 92, .	16.4	141
13	Nonlinear plasmon-exciton coupling enhances sum-frequency generation from a hybrid metal/semiconductor nanostructure. Nature Communications, 2020, 11, 1464.	5.8	39
14	Photoluminescence of InAs/GaAs quantum dots under direct two-photon excitation. Scientific Reports, 2020, 10, 10930.	1.6	8
15	Plasmonic nanofocusing spectral interferometry. Nanophotonics, 2020, 9, 491-508.	2.9	12
16	Strongly coupled, high-quality plasmonic dimer antennas fabricated using a sketch-and-peel technique. Nanophotonics, 2020, 9, 401-412.	2.9	13
17	Ultrafast nonadiabatic dynamics through an intermolecular conical intersection. , 2020, , .		0
18	Probing electron-phonon couplings in halide perovskites crystals by temperature-dependent ultrafast two-dimensional electronic spectroscopy. , 2020, , .		0

#	Article	IF	Citations
19	Ultrafast Optical Dynamics of a Nonlinearly Coupled Au Plasmon-ZnO Exciton Nanostructure. , 2020, , .		o
20	Probing plasmonic excitation mechanisms and far-field radiation of single-crystalline gold tapers with electrons. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190599.	1.6	2
21	Two-dimensional electronic spectroscopy reveals ultrafast dynamics at a conical intersection in an organic photovoltaic material. EPJ Web of Conferences, 2019, 205, 06014.	0.1	O
22	Signatures of Strong Vibronic Coupling Mediating Coherent Charge Transfer in Two-Dimensional Electronic Spectroscopy. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 721-737.	0.7	10
23	Interference between quantum paths in coherent Kapitza–Dirac effect. New Journal of Physics, 2019, 21, 093016.	1.2	20
24	Coherent Real-Space Charge Transport Across a Donor–Acceptor Interface Mediated by Vibronic Couplings. Nano Letters, 2019, 19, 8630-8637.	4.5	14
25	Ultrafast Dynamics through a Conical Intersection in an Organic Photovoltaic Thin Film Probed by two-Dimensional Electronic Spectroscopy. , 2019, , .		O
26	Ultrafast Charge Carrier Relaxation in Inorganic Halide Perovskite Single Crystals Probed by Two-Dimensional Electronic Spectroscopy. Journal of Physical Chemistry Letters, 2019, 10, 5414-5421.	2.1	16
27	Far-Field Radiation of Three-Dimensional Plasmonic Gold Tapers near Apexes. ACS Photonics, 2019, 6, 2509-2516.	3.2	4
28	Doubly Resonant Plasmonic Hot Spot–Exciton Coupling Enhances Second Harmonic Generation from Au/ZnO Hybrid Porous Nanosponges. ACS Photonics, 2019, 6, 2779-2787.	3.2	22
29	Configurational resonances in absorption of metal nanoparticles seeded onto a semiconductor surface. Results in Physics, 2019, 12, 1197-1201.	2.0	7
30	Vectorial near-field coupling. Nature Nanotechnology, 2019, 14, 698-704.	15.6	29
31	Ultrafast optics with slow electrons. EPJ Web of Conferences, 2019, 205, 08017.	0.1	O
32	Plasmon-driven ultrafast point-projection electron microscopy. EPJ Web of Conferences, 2019, 205, 08010.	0.1	0
33	Towards Near-Field Coupling of Surface Plasmon Polaritons across Few-Nanometer Gaps between two Laterally Tapered Gold Waveguides. , 2019, , .		0
34	Quantum Coherent Control of Slow Electron Wave Packets with Light. , 2019, , .		0
35	Steering second-harmonic radiation through local excitations of plasmon. Optics Express, 2019, 27, 18246.	1.7	8
36	Resonant behavior of a single plasmonic helix. Optica, 2019, 6, 1098.	4.8	28

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37	Optimization of morphology of submonolayer metallic nanoparticles to enhance light trapping on a semiconductor surface. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2019, 22, 410-417.	0.3	1
38	Roadmap on plasmonics. Journal of Optics (United Kingdom), 2018, 20, 043001.	1.0	240
39	A Plasmonic Sensor Array with Ultrahigh Figures of Merit and Resonance Linewidths down to 3 nm. Advanced Materials, 2018, 30, e1706031.	11.1	132
40	Strong Light–Matter Interaction in Quantum Emitter/Metal Hybrid Nanostructures. ACS Photonics, 2018, 5, 2-23.	3.2	168
41	Ultrafast relaxation dynamics in a polymer: fullerene blend for organic photovoltaics probed by two-dimensional electronic spectroscopy. European Physical Journal B, 2018, 91, 1.	0.6	27
42	Observing charge separation in nanoantennas via ultrafast point-projection electron microscopy. Light: Science and Applications, 2018, 7, 55.	7.7	29
43	Fourier-transform spatial modulation spectroscopy of single gold nanorods. Nanophotonics, 2018, 7, 715-726.	2.9	6
44	Strong Spatial and Spectral Localization of Surface Plasmons in Individual Randomly Disordered Gold Nanosponges. Nano Letters, 2018, 18, 4957-4964.	4.5	20
45	Plasmonic-Nanofocusing-Based Electron Holography. ACS Photonics, 2018, 5, 3584-3593.	3.2	24
46	Second Harmonic Radiation from Rectangular Gold Antenna: Far-field Contributions of Different Nonlinear Polarizations. , 2018, , .		0
47	Probing Coherent Surface Plasmon Polariton Propagation Using Ultrabroadband Spectral Interferometry. ACS Photonics, 2017, 4, 347-354.	3.2	14
48	Field-level characterization of the optical response in J-aggregate/metal hybrid nanostructures by chirp-compensated spectral interferometry. Applied Physics Letters, 2017, 110, .	1.5	9
49	Spotlight on Excitonic Coupling in Polymorphic and Textured Anilino Squaraine Thin Films. Crystal Growth and Design, 2017, 17, 6455-6466.	1.4	36
50	Ultrafast Plasmonics. World Scientific Series in Nanoscience and Nanotechnology, 2017, , 255-306.	0.1	1
51	Vibronic coupling in organic semiconductors for photovoltaics. Physical Chemistry Chemical Physics, 2017, 19, 18813-18830.	1.3	70
52	Long-lived electron emission reveals localized plasmon modes in disordered nanosponge antennas. Light: Science and Applications, 2017, 6, e17075-e17075.	7.7	33
53	Interaction between Relativistic Electrons and Mesoscopic Plasmonic Tapers. Microscopy and Microanalysis, 2017, 23, 1534-1535.	0.2	0
54	In-line interferometer for broadband near-field scanning optical spectroscopy. Optics Express, 2017, 25, 15504.	1.7	1

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55	Plasmons in Mesoscopic Gold Tapers. Microscopy and Microanalysis, 2016, 22, 294-295.	0.2	O
56	Remotely Driven Electron Emission for Ultrafast Electron Microscopy., 2016,,.		0
57	Ultrafast third-harmonic spectroscopy of single nanoantennas fabricated using helium-ion beam lithography. , 2016, , .		0
58	Tracking the coherent generation of polaron pairs in conjugated polymers. Nature Communications, 2016, 7, 13742.	5.8	149
59	Surfaceâ€Energyâ€Driven Growth of ZnO Hexagonal Microtube Optical Resonators. Advanced Optical Materials, 2016, 4, 126-134.	3.6	19
60	Reflection and Phase Matching in Plasmonic Gold Tapers. Nano Letters, 2016, 16, 6137-6144.	4.5	28
61	Near-field-assisted localization: effect of size and filling factor of randomly distributed zinc oxide nanoneedles on multiple scattering and localization of light. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	1
62	Plasmonic nanofocusing – grey holes for light. Advances in Physics: X, 2016, 1, 297-330.	1.5	23
63	Gap-Plasmon-Enhanced Nanofocusing Near-Field Microscopy. ACS Photonics, 2016, 3, 223-232.	3.2	63
64	Suppression of Radiative Damping and Enhancement of Second Harmonic Generation in Bull's Eye Nanoresonators. ACS Nano, 2016, 10, 475-483.	7.3	11
65	Coherent ultrafast polaron pair formation in a conjugated polymer at room temperature. , 2016, , .		0
66	Coherent vibronic coupling in a conjugated polymer at room temperature. , 2016, , .		1
67	A Road toward Attosecond Physics in Solids - Atomic-Like Rydberg States Localized at a Nanotip. , 2016, ,		0
68	Strong Field Above Threshold Ionization of Rydberg Electrons Localized to a Gold Nanotip., 2016,,.		0
69	Efficient Emission of Ultrafast Electron Bursts by Plasmonic Nanofocusing of Light. , 2016, , .		O
70	Direct evidence of Rabi oscillations and antiresonance in a strongly coupled organic microcavity. Physical Review B, 2015, 91, .	1.1	8
71	Real-space Imaging of Plasmonic Modes of Gold Tapers by EFTEM and EELS. Microscopy and Microanalysis, 2015, 21, 2221-2222.	0.2	3
72	Interplay Between Strong Coupling and Radiative Damping in Hybrid Excitonic-Plasmonic Nanostructures. Nano-optics and Nanophotonics, 2015, , 119-136.	0.2	0

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73	Ultrafast coherent charge transfer in solar cells and artificial light harvesting systems: Toward movies of electronic motion. , $2015$ , , .		O
74	Ultrafast coherent charge transfer in solar cells and artificial light harvesting systems: toward movies of electronic motion (Presentation Recording)., 2015,,.		0
75	Ultrafast coherent dynamics of Rydberg electrons bound in the image potential near a single metallic nano-object (Presentation Recording). Proceedings of SPIE, 2015, , .	0.8	0
76	Charge Separation Dynamics and Optoâ€Electronic Properties of a Diaminoterephthalate <sub>60</sub> Dyad. Advanced Functional Materials, 2015, 25, 2047-2053.	7.8	16
77	Quantum Beats in Hybrid Metal–Semiconductor Nanostructures. ACS Photonics, 2015, 2, 1341-1347.	3.2	8
78	Differential Nanosecond Protein Dynamics in Homologous Calcium Sensors. ACS Chemical Biology, 2015, 10, 2344-2352.	1.6	10
79	Excitation of Mesoscopic Plasmonic Tapers by Relativistic Electrons: Phase Matching <i>versus</i> Eigenmode Resonances. ACS Nano, 2015, 9, 7641-7648.	7.3	61
80	Ultrafast Electron Emission from a Sharp Metal Nanotaper Driven by Adiabatic Nanofocusing of Surface Plasmons. Nano Letters, 2015, 15, 4685-4691.	4.5	115
81	Optical Stark Effects in <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"&gt;<mml:mi>J</mml:mi></mml:math> -Aggregate–Metal Hybrid Nanostructures Exhibiting a Strong Exciton–Surface-Plasmon-Polariton Interaction. Physical Review Letters, 2015, 114, 036802.	2.9	51
82	Gap Mode Formation in Metallic, Nanofocusing SNOM Tapers for High Spatial Resolution Broadband Spectroscopy. , 2015, , .		0
83	A Diaminoterephthalate–C60 Dyad: A New Material for Optoelectronic Applications. Synthesis, 2015, 47, 1325-1328.	1.2	15
84	Near-infrared emitting In-rich InGaN layers grown directly on Si: Towards the whole composition range. Applied Physics Letters, 2015, $106$ , .	1.5	43
85	Stranski-Krastanov InN/InGaN quantum dots grown directly on Si(111). Applied Physics Letters, 2015, 106, .	1.5	21
86	Controlling the Motion of Strong-Field, Few-Cycle Photoemitted Electrons in the Near-Field of a Sharp Metal Tip. Springer Proceedings in Physics, 2015, , 659-662.	0.1	1
87	Ultrafast Coherent Charge Transfer in Solar Cells and Artificial Light Harvesting Systems: Toward Movies of Electronic Motion. , 2015, , .		0
88	Probing Coherent Ultrafast Exciton Dissociation in a Polymer:Fullerene Photovoltaic Absorber. , 2015, , .		0
89	Carrier-envelope phase effects on the strong-field photoemission of electrons from metallic nanostructures. Nature Photonics, 2014, 8, 37-42.	15.6	179
90	Coherent ultrafast charge transfer in an organic photovoltaic blend. , 2014, , .		0

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91	Charge transfer and quantum coherence in solar cells and artificial light harvesting system (presentation video). , 2014, , .		O
92	High passive CEP stability from a few-cycle, tunable NOPA-DFG system for observation of CEP-effects in photoemission. Optics Express, 2014, 22, 25295.	1.7	18
93	Active plasmonics: merging metals with semiconductors. Proceedings of SPIE, 2014, , .	0.8	0
94	Observation of Lorentzian lineshapes in the room temperature optical spectra of strongly coupled Jaggregate/metal hybrid nanostructures by linear two-dimensional optical spectroscopy. Journal of Optics (United Kingdom), 2014, 16, 114021.	1.0	13
95	Coherent ultrafast charge transfer in an organic photovoltaic blend. Science, 2014, 344, 1001-1005.	6.0	470
96	Interplay between Strong Coupling and Radiative Damping of Excitons and Surface Plasmon Polaritons in Hybrid Nanostructures. ACS Nano, 2014, 8, 1056-1064.	7.3	97
97	Light–matter interactions at the nanoscale. Journal of Optics (United Kingdom), 2014, 16, 110201.	1.0	9
98	Toward Plasmonics with Nanometer Precision: Nonlinear Optics of Helium-Ion Milled Gold Nanoantennas. Nano Letters, 2014, 14, 4778-4784.	4.5	174
99	Nanospectroscopic Imaging of Twinning Superlattices in an Individual GaAs-AlGaAs Core–Shell Nanowire. ACS Photonics, 2014, 1, 1099-1106.	3.2	17
100	Electron Photoemission and Acceleration from Sharp Gold Nanotapers in the Strong-Field, Few-Cycle Regime. Quantum Matter, 2014, 3, 297-306.	0.2	6
101	Controlling the motion of strong-field, few-cycle photoemitted electrons in the near-field of a sharp metal tip. , 2014, , .		0
102	Effect of resonant tunneling on exciton dynamics in coupled dot-well nanostructures. Journal of Applied Physics, 2013, 113, 154304.	1.1	14
103	Characterizing the optical nearâ€field in the vicinity of a sharp metallic nanoprobe by angleâ€resolved electron kinetic energy spectroscopy. Annalen Der Physik, 2013, 525, 135-142.	0.9	22
104	Ultrafast dynamics of localized light modes. Annalen Der Physik, 2013, 525, 199-204.	0.9	0
105	Real-time observation of ultrafast Rabi oscillations between excitons and plasmons in metal nanostructures with J-aggregates. Nature Photonics, 2013, 7, 128-132.	15.6	371
106	Dynamic configurational resonances caused by optical nonlinearities in ultra-fast near-field microscopy. Journal of Optics (United Kingdom), 2013, 15, 035204.	1.0	2
107	Quantum coherence controls the charge separation in a prototypical artificial light-harvesting system. Nature Communications, 2013, 4, 1602.	5.8	239
108	Wave front adaptation using a deformable mirror for adiabatic nanofocusing along an ultrasharp gold taper. Optics Express, 2013, 21, 26564.	1.7	13

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109	Effect of tunneling transfer on thermal redistribution of carriers in hybrid dot-well nanostructures. Journal of Applied Physics, 2013, 113, 034309.	1.1	13
110	Real-time observation of ultrafast Rabi oscillations between excitons and plasmons in J-aggregate/metal hybrid nanostructures. , 2013, , .		3
111	Strong-field photoemitted electrons from metallic tips show carrier-envelope phase effects. , 2013, , .		0
112	Quantum coherence controls the charge separation in a prototypical artificial light harvesting system. , 2013, , .		1
113	Quantum coherence controls the charge separation in a prototypical artificial light harvesting system. EPJ Web of Conferences, 2013, 41, 08017.	0.1	0
114	Strong Field Acceleration of Attosecond Electron Pulses emitted by a Sharp Metallic Nanoprobe. EPJ Web of Conferences, 2013, 41, 10018.	0.1	0
115	Real-time observation of ultrafast Rabi oscillations between excitons and plasmons in metal/molecular aggregate hybrid nanostructures. EPJ Web of Conferences, 2013, 41, 09018.	0.1	0
116	k-space imaging of the eigenmodes of sharp gold tapers for scanning near-field optical microscopy. Beilstein Journal of Nanotechnology, 2013, 4, 603-610.	1.5	30
117	Carrier-envelope phase effects observed on strong-field photoemitted electrons from metallic tips. , 2013, , .		0
118	Strong Field Acceleration and Steering of Ultrafast Electron Pulses from a Sharp Metallic Nanotip. Physical Review Letters, 2012, 109, 244803.	2.9	97
119	Strong field acceleration of Attosecond Electron Pulses emitted by an individual Metallic Nanostructure. , 2012, , .		0
120	State filling dependent luminescence in hybrid tunnel coupled dot–well structures. Nanoscale, 2012, 4, 7509.	2.8	8
121	Probing the Ca <sup>2+</sup> Switch of the Neuronal Ca <sup>2+</sup> Sensor GCAP2 by Time-Resolved Fluorescence Spectroscopy. ACS Chemical Biology, 2012, 7, 1006-1014.	1.6	10
122	Adiabatic Nanofocusing on Ultrasmooth Single-Crystalline Gold Tapers Creates a 10-nm-Sized Light Source with Few-Cycle Time Resolution. ACS Nano, 2012, 6, 6040-6048.	7.3	97
123	Observing the localization of light in space and time by ultrafast second-harmonic microscopy.  Nature Photonics, 2012, 6, 293-298.	15.6	57
124	Direct observation of optical excitation transfer based on resonant optical near-field interaction. Applied Physics B: Lasers and Optics, 2012, 107, 257-262.	1.1	3
125	Analytic factorization of Lie group representations. Journal of Functional Analysis, 2012, 262, 667-681.	0.7	6
126	Adiabatic Nanofocusing Scattering-Type Optical Nanoscopy of Individual Gold Nanoparticles. Nano Letters, 2011, 11, 1609-1613.	4.5	97

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127	Excited state coherent resonant electronic tunneling in quantum well-quantum dot hybrid structures. Applied Physics Letters, 2011, 98, 083118.	1.5	11
128	Superfocusing of electric or magnetic fields using conical metal tips: effect of mode symmetry on the plasmon excitation method. Optics Express, 2011, 19, 12342.	1.7	28
129	Ultrasmall bullets of lightâ€"focusing few-cycle light pulses to the diffraction limit. Optics Express, 2011, 19, 14451.	1.7	31
130	Bethe-hole polarization analyser for the magnetic vector of light. Nature Communications, 2011, 2, 451.	5.8	83
131	Analytic Dirac approximation for real linear algebraic groups. Mathematische Annalen, 2011, 351, 403-410.	0.7	2
132	Ultrafast manipulation of the Rabi splitting in metalâ€molecular aggregate hybrid nanostructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1113-1116.	0.8	0
133	Raman spectroscopic identification of fullerene inclusions in polymer/fullerene blends. Journal of Raman Spectroscopy, 2011, 42, 1897-1900.	1.2	74
134	Ultrafast manipulation of the large Rabi splitting in metal-J-aggregate hybrid nanostructures., 2011,,.		0
135	"Can You See Atoms?―– A Reflection from Different Scientific Perspectives. Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik, 2010, 17, 59-65.	0.2	6
136	An Unusual Marriage: Coupling Molecular Excitons to Surface Plasmon Polaritons in Metal Nanostructures. Angewandte Chemie - International Edition, 2010, 49, 2476-2477.	7.2	20
137	Ultrafast Manipulation of Strong Coupling in Metalâ^'Molecular Aggregate Hybrid Nanostructures. ACS Nano, 2010, 4, 7559-7565.	7.3	172
138	Distinguishing between ultrafast optical harmonic generation and multi-photon-induced luminescence from ZnO thin films by frequency-resolved interferometric autocorrelation microscopy. Optics Express, 2010, 18, 25016.	1.7	17
139	Tunneling-barrier controlled excitation transfer in hybrid quantum dot-quantum well nanostructures. Journal of Applied Physics, 2010, 108, 074316.	1.1	22
140	Surface plasmon polariton – exciton interaction in metal-semiconductor and metal-dye nanostructures. Journal of Physics: Conference Series, 2010, 210, 012001.	0.3	0
141	Subgrain size inhomogeneities in the luminescence spectra of thin film chalcopyrites. Applied Physics Letters, 2010, 97, .	1.5	29
142	Measurement of coherent tunneling between InGaAs quantum wells and InAs quantum dots using photoluminescence spectroscopy. Physical Review B, 2010, 82, .	1.1	26
143	Competing ultrafast photoinduced quenching reactions in cinnamic acid : peptide blends. Physical Chemistry Chemical Physics, 2010, 12, 13052.	1.3	11
144	?Low Temperature Near-field Scanning Optical Microscope for UV-Visible Spectroscopy of Nanostructures. Journal of the Korean Physical Society, 2010, 56, 717-720.	0.3	3

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145	Ultrafast optical nonlinearities in hybrid metal-J-aggregate nanostructures. , 2009, , .		O
146	Femtosecond up-conversion technique for probing the charge transfer in a P3HT : PCBM blend via photoluminescence quenching. Journal Physics D: Applied Physics, 2009, 42, 055105.	1.3	49
147	Ultraâ€fast nanoâ€optics. Laser and Photonics Reviews, 2009, 3, 483-507.	4.4	67
148	Subwavelength inhomogeneities in Cu(In,Ga)Se2thin films revealed by near-field scanning optical microscopy. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1005-1008.	0.8	11
149	Coherent exciton–surface plasmon polariton interactions in hybrid metal semiconductor nanostructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 466-469.	0.8	2
150	Analytic representation theory of <mml:math altimg="si1.gif" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo stretchy="false">(</mml:mo><mml:mi) 0="" etqq0="" overlock<="" rgbt="" td="" tj=""><td>10.Tf 50</td><td>543 Td (math</td></mml:mi)></mml:math>	10.Tf 50	543 Td (math
151	Ultrahigh Time Resolution Nonlinear Spectroscopy of Polymer/Fullerene Blends. , 2009, , .		0
152	Ultrafast optical nonlinearities in hybrid metal-J-aggregate nanostructures. , 2009, , .		0
153	Optical spectroscopy of singleâ€walledcarbon nanotubes: From excitonic effects towards control of the radiative lifetime. Physica Status Solidi (B): Basic Research, 2008, 245, 1033-1040.	0.7	0
154	Broadband optical near-field microscope for nanoscale absorption spectroscopy of organic materials. Journal of Microscopy, 2008, 229, 197-202.	0.8	5
155	Femtosecond phase control of spatial localization of the optical near-field in a metal nanoslit array. Optics Express, 2008, 16, 12075.	1.7	9
156	Coherent Exciton–Surface-Plasmon-Polariton Interaction in Hybrid Metal-Semiconductor Nanostructures. Physical Review Letters, 2008, 101, 116801.	2.9	202
157	Light Confinement at Ultrasharp Metallic Tips. Japanese Journal of Applied Physics, 2008, 47, 6051.	0.8	21
158	Ligand removal from soluble CdTe nanocrystals evidenced by time-resolved photoluminescence spectroscopy. Journal Physics D: Applied Physics, 2008, 41, 102004.	1.3	19
159	Infrared emission from the substrate of GaAs-based semiconductor lasers. Applied Physics Letters, 2008, 93, .	1.5	11
160	Near-field optical spectroscopy of GaAsâ-AlyGa1â^'y Asquantum dot pairs grown by high-temperature droplet epitaxy. Physical Review B, 2008, 77, .	1.1	17
161	Near-to-far-field spectral evolution in a plasmonic crystal: Experimental verification of the equipartition of diffraction orders. Applied Physics Letters, 2008, 93, 073109.	1.5	9
162	Ultrafast Coherent Spectroscopy of Single Semiconductor Quantum Dots. Nanoscience and Technology, 2008, , 301-328.	1.5	3

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163	Coherent exciton - surface plasmon polariton interactions in hybrid metal semiconductor nanostructures., 2007,,.		1
164	Guided optical modes in randomly textured ZnO thin films imaged by near-field scanning optical microscopy. Physical Review B, 2007, 76, .	1.1	20
165	Fabry-Perot tuning of the band-gap polarity in plasmonic crystals. Physical Review B, 2007, 75, .	1.1	27
166	A nanometer-sized few femtosecond electron source at high repetition rates., 2007,,.		1
167	Vector field mapping of local polarization using gold nanoparticle functionalized tips: independence of the tip shape. Optics Express, 2007, 15, 14993.	1.7	20
168	Grating-Coupling of Surface Plasmons onto Metallic Tips:  A Nanoconfined Light Source. Nano Letters, 2007, 7, 2784-2788.	4.5	468
169	Localized Multiphoton Emission of Femtosecond Electron Pulses from Metal Nanotips. Physical Review Letters, 2007, 98, 043907.	2.9	340
170	Broadband Near-field Optical Spectrometer for the Observation of Structural Phase Contrast in Organic Semiconductors., 2007,,.		0
171	Local Vector Field Detection with Gold Nanoparticle Functionalized Tips: the Tip-Independence. , 2007, , .		0
172	Tailoring of optical mode profiles of high-power diode lasers evidenced by near-field photocurrent spectroscopy. Applied Physics Letters, 2007, 91, 101103.	1.5	4
173	Structural Phase Contrast in Polycrystalline Organic Semiconductor Films Observed by Broadband Near-Field Optical Spectroscopy. Nano Letters, 2007, 7, 998-1002.	4.5	14
174	Vector Field Mapping of Evanescent Light: Nano Ellipsometry., 2007,,.		0
175	Ultrafast optical excitations of metallic nanostructures: from light confinement to a novel electron source. New Journal of Physics, 2007, 9, 397-397.	1.2	50
176	Ultrafast photodimerization dynamics in $\hat{l}_{\pm}$ -cyano-4-hydroxycinnamic and sinapinic acid crystals. Chemical Physics Letters, 2007, 443, 107-112.	1.2	34
177	Vector field microscopic imaging of light. Nature Photonics, 2007, 1, 53-56.	15.6	173
178	On the concept of imaging nanoscale vector fields. Nature Photonics, 2007, 1, 243-244.	15.6	6
179	Shape resonance terahertz filters. , 2006, , .		0
180	Observation of deep level defects within the waveguide of red-emitting high-power diode lasers. Applied Physics Letters, 2006, 88, 133513.	1.5	19

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181	Shape resonance omni-directional terahertz filters with near-unity transmittance. Optics Express, 2006, 14, 1253.	1.7	97
182	Terahertz transparency at Fabry-Perot resonances of periodic slit arrays in a metal plate: experiment and theory. Optics Express, 2006, 14, 12637.	1.7	78
183	Near-field spectroscopic analysis of the mode structure in high-power diode lasers based on a double barrier separate confinement heterostructure., 2006, 6368, 175.		1
184	Two-photon photoluminescence and exciton binding energies in single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 2428-2435.	0.7	6
185	Excitons in carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3204-3208.	0.7	13
186	Advanced methods for the characterization of few-cycle light pulses: a comparison. Applied Physics B: Lasers and Optics, 2006, 83, 511-519.	1.1	32
187	Ultrafast dynamics of surface plasmon polaritons in plasmonic metamaterials. Applied Physics B: Lasers and Optics, 2006, 84, 183-189.	1.1	22
188	Interpretation of near-field images of semiconductor nanostructures. Applied Physics B: Lasers and Optics, 2006, 84, 103-110.	1.1	8
189	Publisher's Note: Exciton binding energies in carbon nanotubes from two-photon photoluminescence [Phys. Rev. B72, 241402(R) (2005)]. Physical Review B, 2006, 73, .	1.1	1
190	Fabry–Perot effects in THz time-domain spectroscopy of plasmonic band-gap structures. Applied Physics Letters, 2006, 88, 071114.	1.5	60
191	Spatial and spectral imaging of different polarization components of the optical near-field., 2006,,.		0
192	Coupling of surface plasmon polaritons and light in metallic nanostructures. , 2006, , .		0
193	Near-to-far field spectral evolution in plasmonic crystals. , 2006, , .		0
194	Two-photon photoluminescence and exciton binding in single-walled carbon nanotubes: Experiment and theory. , 2006, , .		0
195	A Nanometer-sized Femtosecond Electron Source at 80 MHz Repetition Rate. , 2006, , .		0
196	Ultrafast dynamics and near-field optics of light transmission through plasmonic crystals. , 2005, 5825, 54.		1
197	Lichtmanipulation in plasmonischen Kristallen. Physik in Unserer Zeit, 2005, 36, 111-112.	0.0	0
198	Ultrafast coherent spectroscopy of single semiconductor quantum dots (Invited Paper)., 2005,,.		1

#	Article	IF	CITATIONS
199	Near-field wave-function spectroscopy of excitons and biexcitons. Physical Review B, 2005, 71, .	1.1	11
200	Exponential Decay Lifetimes of Excitons in Individual Single-Walled Carbon Nanotubes. Physical Review Letters, 2005, 95, 197401.	2.9	203
201	Femtosecond Light Transmission and Subradiant Damping in Plasmonic Crystals. Physical Review Letters, 2005, 94, 113901.	2.9	217
202	Invisible plasmonic meta-materials through impedance matching to vacuum. Optics Express, 2005, 13, 10681.	1.7	66
203	Optical Control of Excitons in a Pair of Quantum Dots Coupled by the Dipole-Dipole Interaction. Physical Review Letters, 2005, 94, 137404.	2.9	187
204	Ultrafast Dynamics of Light Transmission Through Plasmonic Crystals. Springer Series in Chemical Physics, 2005, , 650-654.	0.2	1
205	Ultrafast Coherent Spectroscopy of Single Semiconductor Quantum Dots., 2005,, 101-149.		0
206	Space and time resolved coherent optical spectroscopy of single quantum dots. Semiconductor Science and Technology, 2004, 19, S260-S263.	1.0	6
207	Femtosecond near-field spectroscopy of single quantum dots. , 2004, 5352, 16.		0
208	Near-field autocorrelation spectroscopy of disordered semiconductor quantum wells. Physical Review B, 2004, 69, .	1.1	14
209	Optical Stark Effect in a Quantum Dot: Ultrafast Control of Single Exciton Polarizations. Physical Review Letters, 2004, 92, 157401.	2.9	120
210	Femtosecond light pulse propagation through metallic nanohole arrays: The role of the dielectric substrate. Optics Express, 2004, 12, 5067.	1.7	18
211	Kontrollierte biochemische Synthese auf Metall/Halbleiter-Nanostrukturen (Controlled Biochemical) Tj $$ ETQq $11$ 0	.784314 r 0.3	gBT /Overlo
212	Ultrafast near-field spectroscopy of single semiconductor quantum dots. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 861-879.	1.6	11
213	Experimental evidence for Fano resonances in plasmonic crystals. , 2004, , .		0
214	Ultrafast nonlinear spectroscopy of two quantum dots coupled by dipole-dipole interaction. , 2004, , .		0
215	Apertureless near-field optical microscopy: Tip–sample coupling in elastic light scattering. Applied Physics Letters, 2003, 83, 5089-5091.	1.5	162
216	Microscopic Origin of Surface-Plasmon Radiation in Plasmonic Band-Gap Nanostructures. Physical Review Letters, 2003, 91, 143901.	2.9	217

#	Article	IF	Citations
217	Ultrafast near-field spectroscopy of correlated exciton states in single quantum dots., 2003,,.		0
218	Radiative decay and dephasing in plasmonic band gap structures. , 2003, , .		0
219	Three-dimensional theory on light-induced near-field dynamics in a metal film with a periodic array of nanoholes. Physical Review B, 2003, 68, .	1.1	70
220	Single nano-slit and nano-hole spectroscopy in the near and the far-field., 2003, , .		0
221	Guentheret al.Reply:. Physical Review Letters, 2003, 90, .	2.9	1
222	Ultrafast coherent spectroscopy of a single quantum dot. Springer Series in Chemical Physics, 2003, , 345-349.	0.2	0
223	Nanoscopic measurements of surface recombination velocity and diffusion length in a semiconductor quantum well. Applied Physics Letters, 2002, 81, 346-348.	1.5	17
224	Uniformity tests of individual segments of interband cascade diode laser Nanostacks $\hat{A}^{\otimes}$ . Journal of Applied Physics, 2002, 92, 2729-2733.	1.1	7
225	Light emission from the shadows: Surface plasmon nano-optics at near and far fields. Applied Physics Letters, 2002, 81, 3239-3241.	1.5	69
226	Minority-carrier kinetics in heavily doped GaAs:C studied by transient photoluminescence. Journal of Applied Physics, 2002, 91, 5072-5078.	1.1	11
227	Coherent Nonlinear Optical Response of Single Quantum Dots Studied by Ultrafast Near-Field Spectroscopy. Physical Review Letters, 2002, 89, 057401.	2.9	154
228	Near-Field Spectroscopy of Disordered Nanostructures. Physica Status Solidi (B): Basic Research, 2002, 234, 453-462.	0.7	1
229	Level Repulsion of Localized Excitons in Disordered Quantum Wells. Physica Status Solidi A, 2002, 190, 625-629.	1.7	5
230	Near-field spectroscopy of a coupled wire-dot nanostructure grown on (311)A GaAs. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 91-92, 105-114.	1.7	1
231	The impact of defects to minority-carrier dynamics in heavily doped GaAs:C analyzed by transient photoluminescence spectroscopy. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 91-92, 25-28.	1.7	1
232	Quantum mechanical repulsion of exciton levels in a disordered quantum well evidenced by near-field spectroscopy. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 178-181.	1.3	1
233	Ultrafast coherent spectroscopy of single quantum dots. , 2002, , .		0
234	A novel contrast mechanism of emission mode near-field microscopy applied to diode laser structures., 2001,,.		0

#	Article	IF	Citations
235	Chapter 2 Spatially and temporally resolved near-field scanning optical microscopy studies of semiconductor quantum wires. Semiconductors and Semimetals, 2001, 67, 39-107.	0.4	4
236	Large optical cavity waveguides for high-power diode laser applications. , 2001, , .		3
237	Threeâ€dimensional analysis of light propagation through uncoated nearâ€field fibre probes. Journal of Microscopy, 2001, 202, 339-346.	0.8	22
238	Low temperature near-field luminescence studies of localized and delocalized excitons in quantum wires. Journal of Microscopy, 2001, 202, 193-201.	0.8	9
239	Femtosecond near-field spectroscopy: carrier relaxation and transport in single quantum wires. Journal of Microscopy, 2001, 202, 229-240.	0.8	16
240	Near-field optical spectroscopy of localized and delocalized excitons in a single GaAs quantum wire. Physical Review B, 2001, 63, .	1.1	47
241	Near-field optical imaging and spectroscopy of a coupled quantum wire-dot structure. Physical Review B, 2001, 64, .	1.1	18
242	Near-field photocurrent imaging of the optical mode profiles of semiconductor laser diodes. Applied Physics Letters, 2001, 78, 1463-1465.	1.5	12
243	Evidence for strain-induced lateral carrier confinement in InGaAs quantum wells by low-temperature near-field spectroscopy. Applied Physics Letters, 2001, 79, 1611-1613.	1.5	7
244	Quantum Mechanical Repulsion of Exciton Levels in a Disordered Quantum Well. Physical Review Letters, 2001, 87, 076801.	2.9	88
245	Ultrafast near-field pump-probe spectroscopy of quasi-one-dimensional transport in a single quantum wire. Springer Series in Chemical Physics, 2001, , 256-258.	0.2	0
246	<title>Time-resolved near-field optical spectroscopy of single semiconductor quantum wires</title> ., 2000, , .		0
247	Near Field Optical Spectroscopy of Confined Excitons. Physica Status Solidi A, 2000, 178, 471-479.	1.7	9
248	Near-field photocurrent spectroscopy of laser diode devices. Journal of Crystal Growth, 2000, 210, 296-302.	0.7	9
249	Theory of femtosecond light pulse propagation through near-field fiber probes. , 2000, , .		0
250	Propagation of femtosecond optical pulses through uncoated and metal-coated near-field fiber probes. Applied Physics Letters, 2000, 76, 3367-3369.	1.5	27
251	Ultrafast near-field spectroscopy of quasi-one-dimensional transport in a single quantum wire. Physical Review B, 2000, 61, R10583-R10586.	1.1	40
252	Near-Field Scanning Optical Spectroscopy of Quasi-One-Dimensional Semiconductor Nanostructures. , 2000, , 377-392.		0

#	Article	IF	CITATIONS
253	Ultrafast near-field pump-probe spectroscopy of quasi-onedimensional transport in a single quantum wire. , 2000, , .		O
254	Spatially and temporally resolved near-field spectroscopy of single GaAs quantum wires. Journal of Physics Condensed Matter, 1999, 11, 5889-5900.	0.7	7
255	Near-field low-temperature photoluminescence spectroscopy of single V-shaped quantum wires. Physical Review B, 1999, 60, 13335-13338.	1.1	7
256	Femtosecond near-field spectroscopy of a single GaAs quantum wire. Applied Physics Letters, 1999, 75, 3500-3502.	1.5	47
257	Picosecond and femtosecond near-field optical spectroscopy of carrier dynamics in semiconductor nanostructures. Physica B: Condensed Matter, 1999, 272, 96-100.	1.3	11
258	Time-resolved near-field optics: exciton transport in semiconductor nanostructures. Journal of Microscopy, 1999, 194, 393-400.	0.8	22
259	Near-field scanning optical spectroscopy of semiconductor nanostructures. , 1999, , 325-339.		1
260	Mapping of the Local Confinement Potential in Semiconductor Nanostructures by Near-Field Optical Spectroscopy. Physica Status Solidi (B): Basic Research, 1998, 206, 153-166.	0.7	5
261	Carrier trapping into single GaAs quantum wires studied by variable temperature near-field spectroscopy. Ultramicroscopy, 1998, 71, 205-212.	0.8	4
262	Optical near-field photocurrent spectroscopy: a tool for nondestructive analysis of optoelectronic devices. , 1998, , .		0
263	Heating of high-power laser diode arrays: from temperature data to power management and failure mechanisms. , $1998$ , , .		0
264	Exciton transport into a single GaAs quantum wire studied by picosecond near-field optical spectroscopy. Applied Physics Letters, 1998, 73, 2176-2178.	1.5	38
265	Nanoscale mapping of confinement potentials in single semiconductor quantum wires by near-field optical spectroscopy. Physical Review B, 1998, 58, 2045-2049.	1.1	40
266	Monitoring the aging of high-power laser diode arrays. , 1998, 3359, 2.		0
267	Real-Space Transfer and Trapping of Carriers into Single GaAs Quantum Wires Studied by Near-Field Optical Spectroscopy. Physical Review Letters, 1997, 79, 2145-2148.	2.9	128
268	Near-field optical-beam-induced current spectroscopy as a tool for analyzing aging processes in diode lasers., 1997, 3001, 29.		1
269	Vacuum near-field scanning optical microscope for variable cryogenic temperatures. Review of Scientific Instruments, 1997, 68, 3458-3463.	0.6	76
270	Fluorescence lifetimes of jetâ $\in$ cooled <i>trans</i> à $\in$ stilbene and its (1:1)â $\in$ van der Waals complexes with <i>n</i> à $\in$ hexane: Cluster effects in photoisomerisation. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1997, 101, 614-624.	0.9	5

#	Article	IF	Citations
271	Near-field photocurrent spectroscopy: A novel technique for studying defects and aging in high-power semiconductor lasers. Applied Physics A: Materials Science and Processing, 1997, 64, 341-351.	1.1	20
272	Near-Field Optical Spectroscopy of Carrier Exchange between Quantum Wells and Single GaAs Quantum Wires. Physica Status Solidi (B): Basic Research, 1997, 204, 247-250.	0.7	11
273	Waveguide Effect on the Image Formation Process in Near-field Photocurrent Spectroscopy of Semiconductor Laser Diodes. Surface and Interface Analysis, 1997, 25, 573-582.	0.8	3
274	Near-field Optical Spectroscopy of Single GaAs Quantum Wires. Surface and Interface Analysis, 1997, 25, 583-592.	0.8	19
275	Solvation Ultrafast Dynamics of Reactions. 11. Dissociation and Caging Dynamics in the Gas-to-Liquid Transition Region. The Journal of Physical Chemistry, 1996, 100, 18629-18649.	2.9	84
276	Lightâ€induced expansion of fiber tips in nearâ€field scanning optical microscopy. Applied Physics Letters, 1996, 69, 325-327.	1.5	58
277	Nearâ€field scanning optical microscopy of polarization bistable laser diodes. Applied Physics Letters, 1996, 69, 2471-2473.	1.5	27
278	Optical nearâ€field photocurrent spectroscopy: A new technique for analyzing microscopic aging processes in optoelectronic devices. Applied Physics Letters, 1996, 69, 3981-3983.	1.5	37
279	Solvation Ultrafast Dynamics of Reactions. 12. Probing along the Reaction Coordinate and Dynamics in Supercritical Argon. The Journal of Physical Chemistry, 1996, 100, 18650-18665.	2.9	58
280	Solvation ultrafast dynamics of reactions: V dissociation and atom recombination of iodine in the gas-to-liquid transition region. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1995, 92, 566-600.	0.2	16
281	Femtochemistry at high pressures. Solvent effect in the gas-to-liquid transition region. Chemical Physics Letters, 1994, 222, 224-232.	1.2	37
282	Femtochemistry at high pressures. The dynamics of an elemantary reaction in the gasâ€"liquid transition region. Chemical Physics Letters, 1993, 213, 289-296.	1.2	48
283	Picosecond dynamics of n-hexane solvated trans-stilbene. Chemical Physics, 1993, 175, 171-191.	0.9	25
284	Photoisomerization dynamics of diphenylbutadiene in compressed liquid alkanes and in solid environment. Chemical Physics, 1991, 152, 45-56.	0.9	31
285	Photoisomerization of diphenylbutadiene in lowâ€viscosity nonpolar solvents: Experimental manifestations of multidimensional Kramers behavior and cluster effects. Journal of Chemical Physics, 1990, 92, 4805-4816.	1.2	61
286	Statistical Method: Forecasting Electric Energy Demand and Regulating Supply. The Journal of Land & Public Utility Economics / Institute for Research in Land Economics and Public Utilities, 1942, 18, 102.	0.0	0
287	DISCRETE BIVARIATE DISTRIBUTION IN CERTAIN PROBLEMS OF STATISTICAL ORDER1. American Journal of Epidemiology, 1941, 33-SectionA, 65-85.	1.6	0
288	SELECTION, TRAINING AND PERFORMANCE OF THE NATIONAL HEALTH SURVEY FIELD STAFF1. American Journal of Epidemiology, 1941, 34-SectionA, 110-132.	1.6	0

#	Article	IF	CITATIONS
289	Random fracture of a brittle solid. Journal of the Franklin Institute, 1936, 221, 485-494.	1.9	47
290	Random fracture of a brittle solid. Journal of the Franklin Institute, 1936, 221, 769-787.	1.9	15
291	Random fracture of a brittle solid. Journal of the Franklin Institute, 1936, 221, 673-686.	1.9	6
292	Law of the geometric mean as a sensitometric function. Journal of the Franklin Institute, 1934, 218, 35-39.	1.9	7
293	Singer's definition and the generalized law of the geometric mean in numerical estimation Journal of Experimental Psychology, 1934, 17, 189-222.	1.5	1
294	Analysis of waveguide architectures of high-power diode lasers by near-field scanning optical microscopy. , 0, , .		0
295	Optical near-field photocurrent spectroscopy as a new tool for analyzing optoelectronic devices. , 0,		0
296	Near-field spectroscopy of single semiconductor nanostructures. , 0, , .		0
297	Carrier transport in a single GaAs quantum wire structure studied by time-resolved near-field spectroscopy. , 0, , .		0
298	Near-field imaging and spectroscopy of localized and delocalized excitons in semiconductor nanostructures. , 0, , .		0
299	Temperature-dependent near-field imaging of delocalized and localized excitons in single quantum wires. , 0, , .		0
300	Transmission, control and coherent propagation of surface plasmons in metal nanostructures. , 0, , .		0
301	Near-field autocorrelation spectroscopy of disordered nanostructures., 0,,.		0
302	Ultrafast near-field spectroscopy of single quantum dots. , 0, , .		0
303	Radiating surface plasmon nano-optics. , 0, , .		0
304	Optical spectroscopy of individual segments of interband cascade diode laser Nanostacks/spl reg/. , 0, , .		0
305	Positive and negative band gaps, Rayleigh-Wood's anomalies in plasmonic band-gaps structures. , 0, , .		0
306	Centimeter-Scale Gold Nanoparticle Arrays for Spatial Mapping of the Second Harmonic and Two-Photon Luminescence. ACS Applied Nano Materials, 0, , .	2.4	3