Alfred J Meixner

List of Publications by Year
in descending order

233 papers	6,353 citations	53794 45 h-index	95266 68 g-index
241 all docs	241 docs citations	241 times ranked	6383 citing authors

#	Article	IF	Citations
1	Exponential Decay Lifetimes of Excitons in Individual Single-Walled Carbon Nanotubes. Physical Review Letters, 2005, 95, 197401.	7.8	203
2	Local Observation of Phase Segregation in Mixed-Halide Perovskite. Nano Letters, 2018, 18, 2172-2178.	9.1	186
3	Spectral hole burning in glasses and polymer films: the Stark effect. The Journal of Physical Chemistry, 1986, 90, 6777-6785.	2.9	150
4	A high numerical aperture parabolic mirror as imaging device for confocal microscopy. Optics Express, 2001, 8, 458.	3.4	148
5	Plasmonic Coupling of Bow Tie Antennas with Ag Nanowire. Nano Letters, 2011, 11, 1676-1680.	9.1	142
6	The Histidine Kinase AHK5 Integrates Endogenous and Environmental Signals in Arabidopsis Guard Cells. PLoS ONE, 2008, 3, e2491.	2.5	138
7	Double-pulse technique as an electrochemical tool for controlling the preparation of metallic nanoparticles. Electrochimica Acta, 2002, 48, 377-386.	5.2	137
8	Orientation of Fluorescent Dyes in the Nano Channels of Zeolite L. Journal of Physical Chemistry B, 2001, 105, 25-35.	2.6	118
9	Tighter focusing with a parabolic mirror. Optics Letters, 2008, 33, 681.	3.3	114
10	Nanoscale Optical Imaging of Excitons in Single-Walled Carbon Nanotubes. Nano Letters, 2005, 5, 2310-2313.	9.1	100
11	Synthesis, Structure, and Frequencyâ€Doubling Effect of Calcium Cyanurate. Angewandte Chemie - International Edition, 2014, 53, 14260-14263.	13.8	100
12	Surface- and Resonance-Enhanced Micro-Raman Spectroscopy of Xanthene Dyes: From the Ensemble to Single Molecules. ChemPhysChem, 2005, 6, 154-163.	2.1	97
13	Highâ€Resolution Spectroscopic Mapping of the Chemical Contrast from Nanometer Domains in P3HT:PCBM Organic Blend Films for Solarâ€Cell Applications. Advanced Functional Materials, 2010, 20, 492-499.	14.9	96
14	Tipâ€enhanced Raman spectroscopy â€“ an interlaboratory reproducibility and comparison study. Journal of Raman Spectroscopy, 2014, 45, 22-31.	2.5	94
15	Orientational Imaging of Subwavelength Au Particles with Higher Order Laser Modes. Nano Letters, 2006, 6, 1374-1378.	9.1	88
16	Strain-activated light-induced halide segregation in mixed-halide perovskite solids. Nature Communications, 2020, 11, 6328.	12.8	86
17	Single Carbon Nanotube Optical Spectroscopy. ChemPhysChem, 2005, 6, 577-582.	2.1	82
18	Surface-Enhanced Raman Scattering Spectroscopy of Single Carbon Domains on Individual Ag Nanoparticles on a 25 ms Time Scale. Journal of the American Chemical Society, 2000, 122, 5409-5410.	13.7	80

#	Article	IF	Citations
19	Imaging Nanometreâ€Sized Hot Spots on Smooth Au Films with Highâ€Resolution Tipâ€Enhanced Luminescence and Raman Nearâ€Field Optical Microscopy. ChemPhysChem, 2008, 9, 316-320.	2.1	80
20	Parabolic mirrorâ€assisted tipâ€enhanced spectroscopic imaging for nonâ€transparent materials. Journal of Raman Spectroscopy, 2009, 40, 1371-1376.	2.5	76
21	Imaging of Tautomerism in a Single Molecule. Journal of the American Chemical Society, 2005, 127, 5302-5303.	13.7	74
22	Synthesis and SHG Properties of Two New Cyanurates: Sr₃(O₃C₃N₃)₂ (SCY) and Eu₃(O₃C₃N₃)₂ (ECY). Inorganic Chemistry, 2014, 53, 12540-12545.	4.0	74
23	Holographic detection of photochemical holes. Chemical Physics, 1985, 93, 157-162.	1.9	73
24	Light Microscopy with Doughnut Modes: A Concept to Detect, Characterize, and Manipulate Individual Nanoobjects. Angewandte Chemie - International Edition, 2011, 50, 5274-5293.	13.8	70
25	Tuning the Fluorescence Emission Spectra of a Single Molecule with a Variable Optical Subwavelength Metal Microcavity. Physical Review Letters, 2009, 102, 073002.	7.8	65
26	Discrimination and Interpretation of Spectral Phenomena by Room-Temperature Single-Molecule Spectroscopy. Journal of Physical Chemistry A, 2001, 105, 6983-6990.	2.5	63
27	Multicolor Microscopy and Spectroscopy Reveals the Physics of the One-Photon Luminescence in Gold Nanorods. Journal of Physical Chemistry C, 2013, 117, 17870-17877.	3.1	63
28	Spectral holeâ€burning and holography. I. Transmission and holographic detection of spectral holes. Journal of Chemical Physics, 1989, 91, 6728-6736.	3.0	58
29	Super-resolution imaging and detection of fluorescence from single molecules by scanning near-field optical microscopy. Optical Engineering, 1995, 34, 2324.	1.0	58
30	Direct imaging single molecule diffusion in a solid polymer host. Chemical Physics Letters, 1996, 263, 721-726.	2.6	58
31	Electrochemical preparation of silver and gold nanoparticles: Characterization by confocal and surface enhanced Raman microscopy. Surface Science, 2005, 597, 119-126.	1.9	58
32	Direct measurement of standing evanescent waves with a photon-scanning tunneling microscope. Applied Optics, 1994, 33, 7995.	2.1	57
33	Microcavity-Controlled Single-Molecule Fluorescence. ChemPhysChem, 2005, 6, 2190-2196.	2.1	56
34	Probing the Radiative Transition of Single Molecules with a Tunable Microresonator. Nano Letters, 2011, 11, 1700-1703.	9.1	56
35	Radiative exciton recombination and defect luminescence observed in single silicon nanocrystals. Physical Review B, 2012, 86, .	3.2	55
36	Confocal microscopy with a high numerical aperture parabolic mirror. Optics Express, 2001, 9, 637.	3.4	54

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37	Nanoscale surface-enhanced resonance Raman scattering spectroscopy of single molecules on isolated silver clusters. Journal of Luminescence, 2001, 94-95, 147-152.	3.1	54
38	Three-dimensional optical antennas: Nanocones in an apertureless scanning near-field microscope. Applied Physics Letters, 2008, 93, 111114.	3.3	53
39	Excitation Isotropy of Single CdSe/ZnS Nanocrystals. Nano Letters, 2011, 11, 1131-1135.	9.1	52
40	Controlling the dynamics of FÃ¶rster resonance energy transfer inside a tunable sub-wavelength Fabryâ€“PÃ©rot-resonator. Nanoscale, 2015, 7, 10204-10209.	5.6	52
41	Optical imaging of excited-state tautomerization in single molecules. Physical Chemistry Chemical Physics, 2011, 13, 1722.	2.8	50
42	Spectral hole burning: Electric field effect on resorufin, oxazine-4 and cresylviolet in polyvinylbutyral. Journal of Luminescence, 1988, 39, 181-187.	3.1	48
43	High NA particleâ€•and tipâ€enhanced nanoscale Raman spectroscopy with a parabolicâ€mirror microscope. Journal of Microscopy, 2008, 229, 247-253.	1.8	48
44	Parallel Fabrication of Plasmonic Nanocone Sensing Arrays. Small, 2013, 9, 3987-3992.	10.0	48
45	Molecule-Dependent Plasmonic Enhancement of Fluorescence and Raman Scattering near Realistic Nanostructures. ACS Nano, 2012, 6, 9828-9836.	14.6	47
46	Polarized Spectroscopy Studies of Single Molecules of Porphycenes: Tautomerism and Orientation. Journal of Physical Chemistry C, 2009, 113, 11514-11519.	3.1	45
47	Intrinsic conformer jumps observed by single molecule spectroscopy in real time. Chemical Physics Letters, 2000, 325, 196-202.	2.6	44
48	Room temperature near unity spin polarization in 2D Van der Waals heterostructures. Nature Communications, 2020, 11, 4442.	12.8	44
49	A spectral hole burning study of BaFCl0.5Br0.5:Sm2+. Journal of Luminescence, 1991, 50, 89-100.	3.1	43
50	Dynamic control of FÃ¶rster energy transfer in a photonic environment. Physical Chemistry Chemical Physics, 2014, 16, 12812-12817.	2.8	43
51	Probing highly confined optical fields in the focal region of a high NA parabolic mirror with subwavelength spatial resolution. Journal of Microscopy, 2003, 210, 203-208.	1.8	42
52	Three-dimensional photoluminescence mapping and emission anisotropy of single gold nanorods. Applied Physics Letters, 2012, 100, 263102.	3.3	42
53	Room Temperature Spectrally Resolved Single-Molecule Spectroscopy Reveals New Spectral Forms and Photophysical Versatility of Aequorea Green Fluorescent Protein Variants. Biophysical Journal, 2004, 87, 4172-4179.	0.5	39
54	Spatially composition-modulated two-dimensional WS_{2x}Se_{2(1â^'x)}nanosheets. Nanoscale, 2017, 9, 4707-4712.	5.6	39

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55	Measurement of the Stark effect with subhomogeneous linewidth resolution inEu3+:YAlO3with the use of photon-echo modulation. Physical Review B, 1992, 46, 5912-5916.	3.2	38
56	Designing high performance all-small-molecule solar cells with non-fullerene acceptors: comprehensive studies on photoexcitation dynamics and charge separation kinetics. Energy and Environmental Science, 2018, 11, 211-220.	30.8	38
57	Spectral hole burning and holography. II. Diffraction properties of two spectrally adjacent holograms. Journal of Chemical Physics, 1990, 92, 2748-2755.	3.0	36
58	Nonlinear optical point light sources through field enhancement at metallic nanocones. Optics Express, 2014, 22, 15484.	3.4	36
59	Nearâ€Unity Polarization of Valleyâ€Dependent Secondâ€Harmonic Generation in Stacked TMDC Layers and Heterostructures at Room Temperature. Advanced Materials, 2020, 32, e1908061.	21.0	36
60	Enhanced single-molecule spectroscopy in highly confined optical fields: from Î»/2-Fabryâ€“PÃ©rot resonators to plasmonic nano-antennas. Chemical Society Reviews, 2014, 43, 1263-1286.	38.1	34
61	Enhancement of Radiative Plasmon Decay by Hot Electron Tunneling. ACS Nano, 2015, 9, 8176-8183.	14.6	34
62	Simultaneous Spectroscopic and Topographic Near-Field Imaging of TiO₂ Single Surface States and Interfacial Electronic Coupling. Nano Letters, 2011, 11, 1490-1494.	9.1	33
63	Design and construction of a versatile scanning nearâ€field optical microscope for fluorescence imaging of single molecules. Review of Scientific Instruments, 1995, 66, 3569-3575.	1.3	32
64	Structural order enhances charge carrier transport in self-assembled Au-nanoclusters. Nature Communications, 2020, 11, 6188.	12.8	32
65	Nonlinear optical imaging of single plasmonic nanoparticles with 30 nm resolution. Physical Chemistry Chemical Physics, 2015, 17, 21288-21293.	2.8	30
66	Direct Comparison of Second Harmonic Generation and Two-Photon Photoluminescence from Single Connected Gold Nanodimers. Journal of Physical Chemistry C, 2016, 120, 17699-17710.	3.1	30
67	Surface and resonance enhanced micro-Raman spectroscopy of xanthene dyes at the single-molecule level. Journal of Luminescence, 2004, 107, 13-20.	3.1	29
68	New Insights into the Photophysics of DsRed by Multiparameter Spectroscopy on Single Proteins. Journal of Physical Chemistry B, 2008, 112, 7669-7674.	2.6	29
69	Plasmon-Enhanced Emission in Gold Nanoparticle Aggregates. Journal of Physical Chemistry C, 2008, 112, 3103-3108.	3.1	29
70	Novel Application of Fluorescence Lifetime and Fluorescence Microscopy Enables Quantitative Access to Subcellular Dynamics in Plant Cells. PLoS ONE, 2009, 4, e5716.	2.5	29
71	Tight focusing of laser beams in a Î»/2-microcavity. Optics Express, 2008, 16, 9907.	3.4	28
72	Electrodynamic Coupling of Electric Dipole Emitters to a Fluctuating Mode Density within a Nanocavity. Physical Review Letters, 2012, 108, 163002.	7.8	28

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73	Self-aligned placement and detection of quantum dots on the tips of individual conical plasmonic nanostructures. Nanoscale, 2015, 7, 14691-14696.	5.6	28
74	Dynamics of single dye molecules observed by confocal imaging and spectroscopy. Cytometry, 1999, 36, 217-223.	1.8	27
75	Two and multilevel spectral switching of single molecules in polystyrene at room temperature. Chemical Physics, 2004, 300, 153-164.	1.9	27
76	Highly efficient, tunable single photon source based on single molecules. Applied Physics Letters, 2007, 90, 183122.	3.3	27
77	Spectro-Microscopy of Living Plant Cells. Molecular Plant, 2012, 5, 14-26.	8.3	27
78	Morphology Related Photodegradation of Lowâ€Bandâ€Gap Polymer Blends. Advanced Energy Materials, 2014, 4, 1400497.	19.5	27
79	Phase transitions in mixed Langmuir films of 8CB and stearic acid. Journal of Chemical Physics, 1994, 101, 4365-4372.	3.0	26
80	Topology measurements of metal nanoparticles with 1 nm accuracy by Confocal Interference Scattering Microscopy. Optics Express, 2007, 15, 8532.	3.4	26
81	Strong and Coherent Coupling of a Plasmonic Nanoparticle to a Subwavelength Fabryâ€“PÃ©rot Resonator. Nano Letters, 2015, 15, 4423-4428.	9.1	26
82	Single-molecule spectral dynamics at room temperature. Molecular Physics, 2009, 107, 1923-1942.	1.7	25
83	Microcavities: tailoring the optical properties of single quantum emitters. Analytical and Bioanalytical Chemistry, 2010, 396, 3-14.	3.7	25
84	Fluorescence Intensity Decay Shape Analysis Microscopy (FIDSAM) for Quantitative and Sensitive Live-Cell Imaging: A Novel Technique for Fluorescence Microscopy of Endogenously Expressed Fusion-Proteins. Molecular Plant, 2010, 3, 555-562.	8.3	24
85	Single Oligomer Spectra Probe Chromophore Nanoenvironments of Tetrameric Fluorescent Proteins. Journal of the American Chemical Society, 2006, 128, 8664-8670.	13.7	23
86	Temperature Dependent Luminescence and Dephasing of Gold Nanorods. Journal of Physical Chemistry C, 2013, 117, 21476-21482.	3.1	23
87	Three-Dimensional Orientation of Single Molecules in a Tunable Optical Î»/2 Microresonator. Nano Letters, 2010, 10, 504-508.	9.1	22
88	Coupling single quantum dots to plasmonic nanocones: optical properties. Faraday Discussions, 2015, 184, 321-337.	3.2	22
89	Carrier recombination and plasmonic emission channels in metallic photoluminescence. Nanoscale, 2018, 10, 8240-8245.	5.6	22
90	Spectral hole burning and holography. III. Electric field induced interference of holograms. Journal of Chemical Physics, 1990, 93, 2299-2307.	3.0	21

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91	Correlation of Emission Intensity and Spectral Diffusion in Room Temperature Single-Molecule Spectroscopy. ChemPhysChem, 2005, 6, 1242-1246.	2.1	21
92	Surface- and tip-enhanced Raman spectroscopy of DNA. Spectroscopy, 2010, 24, 119-124.	0.8	21
93	Measurement of Vibrational Modes in SingleSiO2Nanoparticles Using a Tunable Metal Resonator with Optical Subwavelength Dimensions. Physical Review Letters, 2012, 109, 223902.	7.8	21
94	Polarizationâ€Dependent SERS at Differently Oriented Single Gold Nanorods. ChemPhysChem, 2012, 13, 952-958.	2.1	21
95	Au Nanotip as Luminescent Near-Field Probe. Nano Letters, 2013, 13, 3566-3570.	9.1	21
96	Nearâ€field and confocal surfaceâ€enhanced resonance Raman spectroscopy at cryogenic temperatures. Journal of Microscopy, 2003, 209, 162-166.	1.8	20
97	Nature of Large Temporal Fluctuations of Hydrogen Transfer Rates in Single Molecules. Journal of Physical Chemistry Letters, 2018, 9, 1211-1215.	4.6	20
98	Controlling molecular broadband-emission by optical confinement. New Journal of Physics, 2008, 10, 123017.	2.9	19
99	Local refractive index probed via the fluorescence decay of semiconductor quantum dots. Optics Express, 2012, 20, 3200.	3.4	19
100	Assessing the plasmonics of gold nano-triangles with higher order laser modes. Beilstein Journal of Nanotechnology, 2012, 3, 674-683.	2.8	19
101	Topography-Correlated Confocal Raman Microscopy with Cylindrical Vector Beams for Probing Nanoscale Structural Order. Journal of Physical Chemistry Letters, 2014, 5, 1048-1054.	4.6	19
102	Multimode Vibrational Strong Coupling of Methyl Salicylate to a Fabryâ€“PÃ©rot Microcavity. Journal of Physical Chemistry B, 2020, 124, 5709-5716.	2.6	19
103	Revealing Excitonic and Electron-Hole Plasma States in Stimulated Emission of Single <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Cs</mml:mi><mml:mi>Pb</mml:mi><mml:mi>Br</mml:mi></mml:mrow><mml:mn Nanowires at Room Temperature. Physical Review Applied, 2020, 13, .	3.8	19
104	Spectral hole-burning and stark effect: a centrosymmetric molecule in polymers of different dielectric constants. Chemical Physics Letters, 1992, 190, 75-82.	2.6	18
105	Single molecule fluorescence spectroscopy of mutants of the Discosoma red fluorescent protein DsRed. Chemical Physics Letters, 2002, 362, 355-361.	2.6	18
106	Optimal oxygen concentration for the detection of single indocarbocyanine molecules in a polymeric matrix. Chemical Physics Letters, 2005, 405, 352-356.	2.6	18
107	Hypericin: Single Molecule Spectroscopy of an Active Natural Drug. Journal of Physical Chemistry A, 2020, 124, 2497-2504.	2.5	18
108	Probing dielectric interfaces on the nanoscale with elastic scattering patterns of single gold nanorods. Optics Express, 2008, 16, 14635.	3.4	17

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109	Compositional-asymmetry influenced non-linear optical processes of plasmonic nanoparticle dimers. Physical Chemistry Chemical Physics, 2013, 15, 8031.	2.8	17
110	Second harmonic generation properties of Ca₃(O₃C₃N₃)₂ â€Sr₃(O₃C₃N₃)₂ solid solutions. Crystal Research and Technology, 2016, 51, 460-465.	1.3	17
111	Near-field imaging and spectroscopy of electronic states in single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3146-3150.	1.5	16
112	Plasmonic oligomers in cylindrical vector light beams. Beilstein Journal of Nanotechnology, 2013, 4, 57-65.	2.8	16
113	Powerâ€•and polarization dependence of two photon luminescence of single CdSe nanowires with tightly focused cylindrical vector beams of ultrashort laser pulses. Laser and Photonics Reviews, 2016, 10, 835-842.	8.7	16
114	Lightâ€Controlled Nearâ€Field Energy Transfer in Plasmonic Metasurface Coupled MoS 2 Monolayer. Small, 2020, 16, 2003539.	10.0	16
115	Electrochemically deposited silver particles for surface enhanced Raman spectroscopy. Surface Science, 2005, 597, 102-109.	1.9	15
116	Temperature dependence of metal-enhanced fluorescence of photosystem I from Thermosynechococcus elongatus. Nanoscale, 2017, 9, 4196-4204.	5.6	15
117	Active optical antennas driven by inelastic electron tunneling. Nanophotonics, 2018, 7, 1503-1516.	6.0	15
118	Spatially resolved fluorescence of caesium lead halide perovskite supercrystals reveals quasi-atomic behavior of nanocrystals. Nature Communications, 2022, 13, 892.	12.8	15
119	Spectral Versatility of Single Reef Coral Fluorescent Proteins Detected by Spectrallyâ€Resolved Single Molecule Spectroscopy. ChemPhysChem, 2008, 9, 310-315.	2.1	14
120	Nanoscale characterization of single Au nanorods by confocal microscopy. Applied Surface Science, 2009, 255, 5391-5395.	6.1	14
121	Longitudinal localization of a fluorescent bead in a tunable microcavity with an accuracy of Î»/60. Optics Letters, 2009, 34, 629.	3.3	14
122	Probing the Nanoscale Phase Separation and Photophysics Properties of Lowâ€Bandgap Polymer:Fullerene Blend Film by Nearâ€Field Spectroscopic Mapping. Small, 2011, 7, 2793-2800.	10.0	14
123	Spectroscopic properties of photosystem II core complexes from Thermosynechococcus elongatus revealed by single-molecule experiments. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 773-781.	1.0	14
124	Manipulating the excitation transfer in Photosystem I using a Fabryâ€“Perot metal resonator with optical subwavelength dimensions. Physical Chemistry Chemical Physics, 2014, 16, 6175-6181.	2.8	14
125	Superluminescence from an optically pumped molecular tunneling junction by injection of plasmon induced hot electrons. Beilstein Journal of Nanotechnology, 2015, 6, 1100-1106.	2.8	14
126	Scouting for strong lightâ€“matter coupling signatures in Raman spectra. Physical Chemistry Chemical Physics, 2021, 23, 16837-16846.	2.8	14

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127	Electric-field-modulated photon echoes in Pr^3+:YAlO_3. Optics Letters, 1994, 19, 987.	3.3	13
128	Nanocrystalline structures of metal deposits studied by locally resolved Raman microscopy. Electrochimica Acta, 1999, 44, 3659-3666.	5.2	13
129	Controlling Nonequilibrium Phonon Populations in Single-Walled Carbon Nanotubes. Nano Letters, 2007, 7, 2239-2242.	9.1	13
130	Application of FLIM-FIDSAM for the in vivo analysis of hormone competence of different cell types. Analytical and Bioanalytical Chemistry, 2010, 398, 1919-1925.	3.7	13
131	Quantum optics, molecular spectroscopy and low-temperature spectroscopy: general discussion. Faraday Discussions, 2015, 184, 275-303.	3.2	13
132	Strong second-harmonic generation from Auâ€“Al heterodimers. Nanoscale, 2019, 11, 23475-23481.	5.6	13
133	Probing Bias-Induced Electron Density Shifts in Metalâ€“Molecule Interfaces via Tip-Enhanced Raman Scattering. Journal of the American Chemical Society, 2021, 143, 1816-1821.	13.7	13
134	Simulation of a metallic SNOM tip illuminated by a parabolic mirror. Optics Express, 2013, 21, 25926.	3.4	12
135	Resolution enhancement for low-temperature scanning microscopy by cryo-immersion. Optics Express, 2016, 24, 13023.	3.4	12
136	Nanoscale Probing of Dielectric Interfaces with Single-Molecule Excitation Patterns and Radially Polarized Illumination. Journal of Physical Chemistry Letters, 2011, 2, 2152-2157.	4.6	11
137	Determination of the in vivo redox potential by one-wavelength spectro-microscopy of roGFP. Analytical and Bioanalytical Chemistry, 2012, 403, 737-744.	3.7	11
138	Orientations between Red Antenna States of Photosystem I Monomers from Thermosynechococcus elongatus Revealed by Single-Molecule Spectroscopy. Journal of Physical Chemistry B, 2015, 119, 13888-13896.	2.6	11
139	Second-harmonic generation in single CdSe nanowires by focused cylindrical vector beams. Optics Letters, 2017, 42, 2623.	3.3	11
140	Frequency-domain measurements of spectral hole patterns burned with phase-coherent pulses. Chemical Physics Letters, 1992, 189, 60-66.	2.6	10
141	Room temperature excitation spectroscopy of single quantum dots. Beilstein Journal of Nanotechnology, 2011, 2, 516-524.	2.8	10
142	Revealing nanoscale optical properties and morphology in perfluoropentacene films by confocal and tip-enhanced near-field optical microscopy and spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 15919-15926.	2.8	10
143	STM tip-enhanced Raman spectroscopy and the investigation of doped graphene. Vibrational Spectroscopy, 2017, 91, 128-135.	2.2	10
144	Sensitive Interferometric Plasmon Ruler Based on a Single Nanodimer. Journal of Physical Chemistry C, 2021, 125, 6486-6493.	3.1	10

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145	A flexible platform for controlled optical and electrical effects in tailored plasmonic break junctions. Nanophotonics, 2020, 9, 1391-1400.	6.0	10
146	Hole Burning, Stark-Effect and Holographic Image Storage. Japanese Journal of Applied Physics, 1987, 26, 233.	1.5	10
147	Single molecule spectral dynamics at room temperature. Journal of Luminescence, 2000, 86, 181-187.	3.1	9
148	Coupling of optical far fields into apertureless plasmonic nanofiber tips. Physical Review A, 2013, 88, .	2.5	9
149	Plasmonics, Tracking and Manipulating, and Living Cells: general discussion. Faraday Discussions, 2015, 184, 451-473.	3.2	9
150	Variation of Exciton-Vibrational Coupling in Photosystem II Core Complexes from Thermosynechococcus elongatus As Revealed by Single-Molecule Spectroscopy. Journal of Physical Chemistry B, 2015, 119, 4203-4210.	2.6	9
151	Charge transfer and electromagnetic enhancement processes revealed in the SERS and TERS of a CoPc thin film. Nanophotonics, 2019, 8, 1533-1546.	6.0	9
152	Enhancement of the second harmonic signal of nonlinear crystals by self-assembled gold nanoparticles. Journal of Chemical Physics, 2020, 152, 104711.	3.0	9
153	Fibronectin adsorption on oxygen plasma-treated polyurethane surfaces modulates endothelial cell response. Journal of Materials Chemistry B, 2021, 9, 1647-1660.	5.8	9
154	Tunable strong coupling of two adjacent optical Î»/2 Fabry-PÃ©rot microresonators. Optics Express, 2020, 28, 485.	3.4	9
155	Spectral hole burning: High-resolution optical spectroscopy and image storage. Journal of Luminescence, 1987, 38, 37-39.	3.1	8
156	Well-shaped fibre tips by pulling with a foil heater. Journal of Microscopy, 2001, 202, 182-187.	1.8	7
157	Optical Fourier Transform Spectroscopy of Single-Walled Carbon Nanotubes and Single Molecules. ChemPhysChem, 2007, 8, 1049-1055.	2.1	7
158	Detecting the Same Individual Protein and Its Photoproducts via Fluorescence and Surface-Enhanced Raman Spectroscopic Imaging. Journal of Physical Chemistry A, 2010, 114, 143-150.	2.5	7
159	Effects of Irregular Bimetallic Nanostructures on the Optical Properties of Photosystem I from Thermosynechococcus elongatus. Photonics, 2015, 2, 838-854.	2.0	7
160	Correlated, Dualâ€Beam Optical Gating in Coupled Organicâ€“Inorganic Nanostructures. Angewandte Chemie, 2018, 130, 11733-11737.	2.0	7
161	Correlated, Dualâ€Beam Optical Gating in Coupled Organicâ€“Inorganic Nanostructures. Angewandte Chemie - International Edition, 2018, 57, 11559-11563.	13.8	7
162	Fast, Infrared-Active Optical Transistors Based on Dye-Sensitized CdSe Nanocrystals. ACS Applied Materials & Interfaces, 2019, 11, 48271-48280.	8.0	7

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163	Direct phase mapping of the light scattered by single plasmonic nanoparticles. Nanoscale, 2020, 12, 1083-1090.	5.6	7
164	Accumulation and penetration behavior of hypericin in glioma tumor spheroids studied by fluorescence microscopy and confocal fluorescence lifetime imaging microscopy. Analytical and Bioanalytical Chemistry, 2022, 414, 4849-4860.	3.7	7
165	Controlling the optical properties of single molecules by optical confinement in a tunable microcavity. Proceedings of SPIE, 2009, , .	0.8	6
166	Polarized Fluorescence from Single Stopcock Molecules at Channel Entrances of an All-Organic Hostâ˜'Guest Compound. Chemistry of Materials, 2011, 23, 1088-1090.	6.7	6
167	Grating enhanced aperturelessnear-field optical microscopy. Optics Express, 2015, 23, 18401.	3.4	6
168	Hot carrier-mediated avalanche multiphoton photoluminescence from coupled Auâ€“Al nanoantennas. Journal of Chemical Physics, 2021, 154, 074701.	3.0	6
169	Enhancement of the second harmonic signal of nonlinear crystals by a single metal nanoantenna. Nanoscale, 2020, 12, 23105-23115.	5.6	6
170	Enhanced two-photon photoluminescence assisted by multi-resonant characteristics of a gold nanocylinder. Nanophotonics, 2020, 9, 4009-4019.	6.0	6
171	Spectral hole-burning and holography. Journal of Luminescence, 1991, 48-49, 329-334.	3.1	5
172	Fluorescent Chemosensors for Chromium(III) Ions and the Cr3+/Cr2+ Ratio. Bulletin of the Chemical Society of Japan, 2011, 84, 620-622.	3.2	5
173	Unusual effects in single molecule tautomerization: hemiporphycene. Physical Chemistry Chemical Physics, 2018, 20, 26591-26596.	2.8	5
174	Room Temperature Fluorescence Blinking in MoS₂ Atomic Layers by Single Photon Energy Transfer. Laser and Photonics Reviews, 2022, 16, .	8.7	5
175	Confocal microscopy and spectroscopy of defect photoluminescence in single SiO 2 nanoparticles. Proceedings of SPIE, 2009, , .	0.8	4
176	Dark proteins disturb multichromophore coupling in tetrameric fluorescent proteins. Journal of Biophotonics, 2011, 4, 114-121.	2.3	4
177	Optical trapping of gold nanoparticles using a radially polarized laser beam. , 2011, , .		4
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