JÃ¼rgen KÃ¶hler

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4413609/publications.pdf

Version: 2024-02-01

165	5,808	87888	88630
papers	citations	38 h-index	70 g-index

172	172	172	5075
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The architecture and function of the light-harvesting apparatus of purple bacteria: from single molecules to in vivo membranes. Quarterly Reviews of Biophysics, 2006, 39, 227-324.	5.7	610
2	Long-range energy transport in single supramolecular nanofibres at room temperature. Nature, 2015, 523, 196-199.	27.8	278
3	Magnetic resonance of a single molecular spin. Nature, 1993, 363, 242-244.	27.8	260
4	Exciton Transport in Molecular Aggregates â€“ From Natural Antennas to Synthetic Chromophore Systems. Advanced Energy Materials, 2017, 7, 1700236.	19.5	249
5	3-Dimensional super-resolution by spectrally selective imaging. Chemical Physics Letters, 1998, 292, 183-187.	2.6	181
6	Spectroscopy on the B850 Band of Individual Light-Harvesting 2 Complexes of Rhodopseudomonas acidophila I. Experiments and Monte Carlo Simulations. Biophysical Journal, 2001, 80, 1591-1603.	0.5	163
7	Spectroscopy on the B850 Band of Individual Light-Harvesting 2 Complexes of Rhodopseudomonas acidophila II. Exciton States of an Elliptically Deformed Ring Aggregate. Biophysical Journal, 2001, 80, 1604-1614.	0.5	149
8	Realâ€Time Observation of Iodide Ion Migration in Methylammonium Lead Halide Perovskites. Small, 2017, 13, 1701711.	10.0	148
9	Direct observation of tiers in the energy landscape of a chromoprotein: A single-molecule study. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15534-15538.	7.1	145
10	Cooperative binding of ATP and RNA induces a closed conformation in a DEAD box RNA helicase. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 548-553.	7.1	141
11	Fractional Brownian motion in crowded fluids. Soft Matter, 2012, 8, 4886.	2.7	128
12	Spectroscopy of Individual Light-Harvesting 2 Complexes of Rhodopseudomonas acidophila: Diagonal Disorder, Intercomplex Heterogeneity, Spectral Diffusion, and Energy Transfer in the B800 Band. Biophysical Journal, 2000, 78, 1570-1577.	0.5	107
13	Energetic disorder and the B850-exciton states of individual light-harvesting 2 complexes from Rhodopseudomonas acidophila. Chemical Physics Letters, 2004, 395, 373-378.	2.6	94
14	Far-field fluorescence microscopy beyond the diffraction limit. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1999, 16, 909.	1.5	86
15	Measuring a diffusion coefficient by single-particle tracking: statistical analysis of experimental mean squared displacement curves. Physical Chemistry Chemical Physics, 2013, 15, 845-849.	2.8	86
16	Probing the type of anomalous diffusion with single-particle tracking. Physical Chemistry Chemical Physics, 2014, 16, 7686-7691.	2.8	82
17	Single-Molecule Study of the Electronic Couplings in a Circular Array of Molecules: Light-Harvesting-2 Complex fromRhodospirillum Molischianum. Physical Review Letters, 2003, 90, 013004.	7.8	81
18	Optical Spectroscopy on Individualamphi-PIC J-Aggregates. Nano Letters, 2005, 5, 2635-2640.	9.1	70

#	Article	IF	Citations
19	Spectroscopy of Single Light-Harvesting Complexes from Purple Photosynthetic Bacteria at 1.2 K. Journal of Physical Chemistry B, 1998, 102, 9363-9366.	2.6	68
20	Hybrid Nanostructures for Enhanced Light-Harvesting: Plasmon Induced Increase in Fluorescence from Individual Photosynthetic Pigmentâ€“Protein Complexes. Nano Letters, 2011, 11, 4897-4901.	9.1	65
21	Single-Molecule Spectroscopy Reveals that Individual Low-Light LH2 Complexes from Rhodopseudomonas palustris 2.1.6. Have a Heterogeneous Polypeptide Composition. Biophysical Journal, 2009, 97, 1491-1500.	0.5	63
22	Spectral dynamics in the B800 band of LH2 fromRhodospirillum molischianum: a single-molecule study. New Journal of Physics, 2004, 6, 8-8.	2.9	57
23	Single Molecule Electron Paramagnetic Resonance Spectroscopy: Hyperfine Splitting Owing to a Single Nucleus. Science, 1995, 268, 1457-1460.	12.6	56
24	Mutual Interplay of Light Harvesting and Triplet Sensitizing in a Perylene Bisimide Antennaâ^'Fullerene Dyad. Journal of Physical Chemistry B, 2010, 114, 9148-9156.	2.6	56
25	Spectroscopy of individual LH2 complexes of Rhodopseudomonas acidophila: localized excitations in the B800 band. Chemical Physics, 1999, 247, 53-60.	1.9	55
26	Structure of Light-Harvesting Aggregates in Individual Chlorosomes. Journal of Physical Chemistry B, 2016, 120, 5367-5376.	2.6	55
27	Multivariate Analysis of Single-Molecule Spectra: Surpassing Spectral Diffusion. Physical Review Letters, 2005, 94, 195501.	7.8	53
28	Photophysical Properties of a Tetraphenoxy-Substituted Perylene Bisimide Derivative Characterized by Single-Molecule Spectroscopy. ChemPhysChem, 2005, 6, 935-941.	2.1	52
29	An Organic Optical Transistor Operated under Ambient Conditions. Angewandte Chemie - International Edition, 2011, 50, 11405-11408.	13.8	52
30	Towards Nanoporous Membranes based on ABC Triblock Terpolymers. Small, 2007, 3, 1056-1063.	10.0	47
31	Low temperature spectroscopy of proteins. Part II: Experiments with single protein complexesâ˜†. Physics of Life Reviews, 2007, 4, 64-89.	2.8	46
32	Enhancing Long-Range Energy Transport in Supramolecular Architectures by Tailoring Coherence Properties. Journal of the American Chemical Society, 2020, 142, 8323-8330.	13.7	43
33	Spectroscopy on Individual Light-Harvesting 1 Complexes of Rhodopseudomonas acidophila. Biophysical Journal, 2002, 83, 1701-1715.	0.5	42
34	Refinement of the x-ray structure of the RC LH1 core complex from Rhodopseudomonas palustris by single-molecule spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20280-20284.	7.1	42
35	Comparison of the Photophysical Parameters for Three Perylene Bisimide Derivatives by Single-Molecule Spectroscopy. ChemPhysChem, 2007, 8, 1487-1496.	2.1	42
36	Direct observation of backbone planarization via side-chain alignment in single bulky-substituted polythiophenes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2699-2704.	7.1	42

#	Article	IF	Citations
37	Magnetic resonance of a single molecular spin. Physics Reports, 1999, 310, 261-339.	25.6	41
38	Exciton Self Trapping in Photosynthetic Pigmentâ€“Protein Complexes Studied by Single-Molecule Spectroscopy. Journal of Physical Chemistry B, 2012, 116, 11017-11023.	2.6	41
39	Reversible Laserâ€Induced Amplified Spontaneous Emission from Coexisting Tetragonal and Orthorhombic Phases in Hybrid Lead Halide Perovskites. Advanced Optical Materials, 2016, 4, 917-928.	7.3	40
40	Revealing the Electronâ€“Phonon Coupling in a Conjugated Polymer by Single-Molecule Spectroscopy. Advanced Materials, 2007, 19, 1978-1982.	21.0	38
41	Comparison of the fluorescence kinetics of detergent-solubilized and membrane-reconstituted LH2 complexes from Rps. acidophila and Rb. sphaeroides. Photosynthesis Research, 2008, 95, 291-298.	2.9	38
42	Single-Molecule Spectroscopic Characterization of Light-Harvesting 2 Complexes Reconstituted into Model Membranes. Biophysical Journal, 2007, 93, 183-191.	0.5	37
43	Epifluorescence, confocal and total internal reflection microscopy for single-molecule experiments: a quantitative comparison. Journal of Microscopy, 2006, 222, 118-123.	1.8	35
44	Spectroscopy of proteins at low temperature. Part I: Experiments with molecular ensembles. Physics of Life Reviews, 2006, 3, 262-292.	2.8	35
45	Emitting Species of Poly(3-hexylthiophene): From Single, Isolated Chains to Bulk. Macromolecules, 2016, 49, 9553-9560.	4.8	35
46	The origin of the split B800 absorption peak in the LH2 complexes from Allochromatium vinosum. Photosynthesis Research, 2015, 123, 23-31.	2.9	34
47	Use of single-molecule spectroscopy to tackle fundamental problems in biochemistry: using studies on purple bacterial antenna complexes as an example. Biochemical Journal, 2009, 422, 193-205.	3.7	33
48	Emission Enhancement and Intermittency in Polycrystalline Organolead Halide Perovskite Films. Molecules, 2016, 21, 1081.	3.8	33
49	Farâ€Field Nanodiagnostics of Solids with Visible Light by Spectrally Selective Imaging. Angewandte Chemie - International Edition, 2009, 48, 9747-9750.	13.8	32
50	The Electronically Excited States of LH2 Complexes from Rhodopseudomonas acidophila Strain 10050 Studied by Time-Resolved Spectroscopy and Dynamic Monte Carlo Simulations. II. Homo-Arrays Of LH2 Complexes Reconstituted Into Phospholipid Model Membranes. Journal of Physical Chemistry B, 2011, 115, 8821-8831.	2.6	31
51	Influence of Phospholipid Composition on Self-Assembly and Energy-Transfer Efficiency in Networks of Light-Harvesting 2 Complexes. Journal of Physical Chemistry B, 2013, 117, 10395-10404.	2.6	31
52	Micro-Refractometry and Local-Field Mapping with Single Molecules. Nano Letters, 2018, 18, 6129-6134.	9.1	31
53	Symmetry matters for the electronic structure of core complexes from Rhodopseudomonas palustris and Rhodobacter sphaeroides PufX-. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6661-6665.	7.1	30
54	Orthoâ€Dichlorobenzene Doped with Terryleneâ€”a Highly Photoâ€Stable Singleâ€Molecule System Promising for Photonics Applications. ChemPhysChem, 2010, 11, 182-187.	2.1	30

#	Article	IF	Citations
55	An insert for singleâ€molecule magneticâ€resonance spectroscopy in an external magnetic field. Review of Scientific Instruments, 1995, 66, 4853-4856.	1.3	29
56	Watching Paint Dry: The Impact of Diiodooctane on the Kinetics of Aggregate Formation in Thin Films of Poly(3-hexylthiophene). Macromolecules, 2016, 49, 6420-6430.	4.8	29
57	Determination of the Spectral Diffusion Kernel of a Protein by Single-Molecule Spectroscopy. Physical Review Letters, 2008, 100, 018108.	7.8	28
58	Fluorescence detection of single molecule magnetic resonance for pentacene in p-terphenyl. The hyperfine interaction of a single triplet spin with a single 13C nuclear spin. Chemical Physics Letters, 1994, 228, 47-52.	2.6	27
59	Do Proteins at Low Temperature Behave as Glasses? A Single-Molecule Study. Journal of Physical Chemistry B, 2007, 111, 1135-1138.	2.6	27
60	Impurity spectroscopy at its ultimate limit: relation between bulk spectrum, inhomogeneous broadening, and local disorder by spectroscopy of (nearly) all individual dopant molecules in solids. Physical Chemistry Chemical Physics, 2011, 13, 1734-1742.	2.8	27
61	The Electronically Excited States of LH2 Complexes from Rhodopseudomonas acidophila Strain 10050 Studied by Time-Resolved Spectroscopy and Dynamic Monte Carlo Simulations. I. Isolated, Non-Interacting LH2 Complexes. Journal of Physical Chemistry B, 2011, 115, 8813-8820.	2.6	26
62	Probing the Electronic Structure and Conformational Flexibility of Individual Light-Harvesting 3 Complexes by Optical Single-Molecule Spectroscopy. Journal of Physical Chemistry B, 2006, 110, 18710-18717.	2.6	25
63	Influence of the Conjugation Length on the Optical Spectra of Single Ladder-Type (p-Phenylene) Dimers and Polymers. Journal of Physical Chemistry A, 2016, 120, 233-240.	2.5	25
64	Spectral Diffusion and Electron-Phonon Coupling of the B800 BChl a Molecules in LH2 Complexes from Three Different Species of Purple Bacteria. Biophysical Journal, 2009, 97, 2604-2612.	0.5	24
65	13C isotope effects for pentacene in pâ€terphenyl: Highâ€resolution spectroscopy and singleâ€spin detection. Journal of Chemical Physics, 1996, 105, 2212-2222.	3.0	22
66	Energy transfer in a single self-aggregated photosynthetic unit. FEBS Letters, 2003, 546, 345-348.	2.8	22
67	Singleâ€Molecule Spectroscopy on a Ladderâ€Type Conjugated Polymer: Electronâ€“Phonon Coupling and Spectral Diffusion. ChemPhysChem, 2009, 10, 2524-2534.	2.1	22
68	Spectral diffusion of individual pentacene, terrylene, and dibenzanthanthrene molecules in n-tetradecane. Journal of Chemical Physics, 2001, 114, 6843-6850.	3.0	21
69	Is There Elliptic Distortion in the Light Harvesting Complex 2 of Purple Bacteria?. Journal of Physical Chemistry B, 2011, 115, 12947-12953.	2.6	21
70	Insights into the Excitonic States of Individual Chlorosomes from Chlorobaculum tepidum. Biophysical Journal, 2014, 106, 1921-1927.	0.5	21
71	An optical study of single pentacene molecules in n-tetradecane. Chemical Physics Letters, 2000, 317, 232-237.	2.6	20
72	Single molecule studies of calix[4]arene-linked perylene bisimide dimers: relationship between blinking, lifetime and/or spectral fluctuations. Physical Chemistry Chemical Physics, 2012, 14, 10789.	2.8	20

#	Article	IF	Citations
73	Stepwise Decrease of Fluorescence versus Sequential Photobleaching in a Single Multichromophoric System. ACS Nano, 2014, 8, 1708-1717.	14.6	20
74	Spectral and Structural Variations of Biomimetic Light-Harvesting Nanotubes. Journal of Physical Chemistry Letters, 2019, 10, 2715-2724.	4.6	20
75	On the intersystem crossing of pentacene in p-terphenyl. Chemical Physics Letters, 1996, 250, 137-144.	2.6	19
76	Picosecond excitation energy relaxation processes in a ladder-type Ï€-conjugated polymer. Chemical Physics Letters, 2006, 429, 103-108.	2.6	19
77	Fluorescence Excitation Spectra from Individual Chlorosomes of the Green Sulfur Bacterium Chlorobaculum tepidum. Journal of Physical Chemistry Letters, 2012, 3, 3745-3750.	4.6	19
78	Synthesis and Photophysical Properties of Multichromophoric Carbonylâ€Bridged Triarylamines. Chemistry - A European Journal, 2014, 20, 11708-11718.	3.3	19
79	How the number of fitting points for the slope of the mean-square displacement influences the experimentally determined particle size distribution from single-particle tracking. Physical Chemistry Chemical Physics, 2013, 15, 3429.	2.8	18
80	Single-Molecule Spectroscopy Unmasks the Lowest Exciton State of the B850 Assembly in LH2 from Rps. acidophila. Biophysical Journal, 2014, 106, 2008-2016.	0.5	18
81	Structural Variations in Chlorosomes from Wild-Type and a bchQR Mutant of Chlorobaculum tepidum Revealed by Single-Molecule Spectroscopy. Journal of Physical Chemistry B, 2018, 122, 6712-6723.	2.6	18
82	Low-temperature single-molecule spectroscopy on photosynthetic pigmentâ€“protein complexes from purple bacteria. Photosynthesis Research, 2009, 101, 171-179.	2.9	17
83	Towards a vibrational analysis of spheroidene. Resonance Raman spectroscopy of 13C-labelled spheroidenes in petroleum ether and in the Rhodobacter sphaeroides reaction centre. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1185, 188-192.	1.0	16
84	Single-molecule fluorescence autocorrelation experiments on pentacene: The dependence of intersystem crossing on isotopic composition. Journal of Chemical Physics, 1999, 110, 9151-9159.	3.0	16
85	Fluorescence-Excitation and Emission Spectra from LH2 Antenna Complexes of Rhodopseudomonas acidophila as a Function of the Sample Preparation Conditions. Journal of Physical Chemistry B, 2013, 117, 12020-12029.	2.6	16
86	Towards the characterization of energy-transfer processes in organic donorâ€“acceptor dyads based on triphenyldiamine and perylenebisimides. Chemical Physics, 2006, 328, 403-409.	1.9	15
87	Fluctuations in the Electronâ€“Phonon Coupling of a Single Chromoprotein. Angewandte Chemie - International Edition, 2013, 52, 8726-8730.	13.8	15
88	Identification of the early postmortem metabolic state of porcine M. semimembranosus using Raman spectroscopy. Vibrational Spectroscopy, 2014, 70, 12-17.	2.2	15
89	Unified analysis of ensemble and single-complex optical spectral data from light-harvesting complex-2 chromoproteins for gaining deeper insight into bacterial photosynthesis. Physical Review E, 2015, 92, 052709.	2.1	15
90	Conformational Memory of a Protein Revealed by Single-Molecule Spectroscopy. Journal of Physical Chemistry B, 2015, 119, 13964-13970.	2.6	15

#	Article	IF	Citations
91	Sensitized luminescence of pure and doped NaNO2 single crystals. I. Stationary spectra. Physica Status Solidi (B): Basic Research, 1987, 140, 605-619.	1.5	14
92	AFM characterization of spin-coated multilayered dry lipid films prepared from aqueous vesicle suspensions. Colloids and Surfaces B: Biointerfaces, 2011, 82, 25-32.	5.0	14
93	Single-Molecule Spectroscopy on RC-LH1 Complexes of Rhodopseudomonas acidophila Strain 10050. Journal of Physical Chemistry B, 2013, 117, 3120-3126.	2.6	14
94	Resonance Raman spectroscopy of 2H-labelled spheroidenes in petroleum ether and in the Rhodobacter sphaeroides reaction centre. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1997, 53, 381-392.	3.9	13
95	Photoblinking dynamics in single calix[4]arene-linked perylene bisimide dimers. Chemical Physics Letters, 2009, 482, 93-98.	2.6	13
96	Energy- and charge-transfer processes in flexible organic donor-acceptor dyads. Journal of Chemical Physics, 2009, 131, 144512.	3.0	13
97	Diffusion-Limited Energy Transfer in Blends of Oligofluorenes with an Anthracene Derivative. Journal of Physical Chemistry B, 2011, 115, 8063-8070.	2.6	13
98	Fluorescence Blinking of the RCâ€“LH1 Complex from Rhodopseudomonas palustris. ChemPhysChem, 2011, 12, 711-716.	2.1	13
99	Optical gating of perylene bisimide fluorescence using dithienylcyclopentene photochromic switches. Applied Physics Letters, 2013, 103, .	3.3	13
100	Sensitized Luminescence of Pure and Doped NaNO2 Single Crystals. II. Time-Resolved Experiments and Preliminary Analysis. Physica Status Solidi (B): Basic Research, 1987, 141, 303-315.	1.5	12
101	The influence of Ï€â€“Ï€-stacking on the light-harvesting properties of perylene bisimide antennas that are covalently linked to a [60]fullerene. Physical Chemistry Chemical Physics, 2010, 12, 14485.	2.8	12
102	Identification of Multiple Kinetic Populations of DNA-Binding Proteins in Live Cells. Biophysical Journal, 2019, 117, 950-961.	0.5	12
103	Bound multiphonon complexes in NaNO2. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 157, 435-440.	2.1	11
104	Continuous-wave two-photon spectroscopy on a ladder-type conjugated polymer. Chemical Physics Letters, 2007, 448, 213-217.	2.6	11
105	Multi-Level, Multi Time-Scale Fluorescence Intermittency of Photosynthetic LH2 Complexes: A Precursor of Non-Photochemical Quenching?. Journal of Physical Chemistry B, 2015, 119, 13958-13963.	2.6	11
106	Tracing Single Electrons in a Disordered Polymer Film at Room Temperature. Journal of Physical Chemistry Letters, 2016, 7, 1478-1483.	4.6	11
107	Slow thermalization of singlet excitons in NaNO2 crystals. Journal of Luminescence, 1991, 47, 239-248.	3.1	10
108	Frenkel excitons in : excitation energy transfer and exciton coherence. Journal of Physics Condensed Matter, 1996, 8, 115-141.	1.8	10

#	Article	IF	Citations
109	Optical gating with organic building blocks. A quantitative model for the fluorescence modulation of photochromic perylene bisimide dithienylcyclopentene triads. Scientific Reports, 2015, 4, 4316.	3.3	10
110	Diblock copolymer membranes investigated by single-particle tracking. Physical Chemistry Chemical Physics, 2011, 13, 2278-2284.	2.8	9
111	Setup for single-particle orbit tracking: artifacts and corrections. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 1277.	1.5	9
112	Fluorescence-excitation and Emission Spectroscopy on Single FMO Complexes. Scientific Reports, 2016, 6, 31875.	3.3	9
113	Deliberate Switching of Single Photochromic Triads. Scientific Reports, 2017, 7, 41739.	3.3	9
114	Conformational dynamics of di-(perylene bisimide acrylate) and its footprints in steady-state, time-resolved, and fluorescence-correlation spectroscopy. Physical Chemistry Chemical Physics, 2012, 14, 7971.	2.8	8
115	Does the Reconstitution of RC-LH1 Complexes from Rhodopseudomonas acidophila Strain 10050 into a Phospholipid Bilayer Yield the Optimum Environment for Optical Spectroscopy?. Journal of Physical Chemistry B, 2013, 117, 15004-15013.	2.6	8
116	Spectroscopic studies of singlet exciton-thermalization in NaNO2 single crystals. Journal of Luminescence, 1992, 52, 293-307.	3.1	7
117	Optical spectroscopy of individual objects. Die Naturwissenschaften, 2001, 88, 514-521.	1.6	7
118	Trapping on demand: External regulation of excitation energy transfer in a photoswitchable smart matrix. Applied Physics Letters, 2014, 104, 013304.	3.3	7
119	Sensitized Luminescence of Pure and Doped NaNO2 Single Crystals, III. Excitation Spectroscopy and Time Resolved Trap Fluorescence. Physica Status Solidi (B): Basic Research, 1988, 147, 797-809.	1.5	6
120	Isotopomer Selective Spectroscopy on Pentacene. Journal of the American Chemical Society, 1998, 120, 1900-1905.	13.7	6
121	Interaction of CO Dehydrogenase with the Cytoplasmic Membrane Monitored by Fluorescence Correlation Spectroscopy. ChemBioChem, 2010, 11, 2419-2423.	2.6	6
122	The Association Kinetics Encode the Light Dependence of Arabidopsis Phytochrome B Interactions. Journal of Molecular Biology, 2020, 432, 4327-4340.	4.2	6
123	Limitations of Linear Dichroism Spectroscopy for Elucidating Structural Issues of Light-Harvesting Aggregates in Chlorosomes. Molecules, 2021, 26, 899.	3.8	6
124	Optical Spectroscopy of Individual Photosynthetic Pigment Protein Complexes. International Journal of Modern Physics B, 2001, 15, 3633-3636.	2.0	5
125	Unravelling the conformations of di-(perylene bisimide acrylate) by combining time-resolved fluorescence-anisotropy experiments and molecular modelling. Physical Chemistry Chemical Physics, 2014, 16, 25959-25968.	2.8	5
126	The Open, the Closed, and the Empty: Time-Resolved Fluorescence Spectroscopy and Computational Analysis of RC-LH1 Complexes from Rhodopseudomonas palustris. Journal of Physical Chemistry B, 2015, 119, 1362-1373.	2.6	5

#	Article	IF	Citations
127	Excited state dynamics and conformations of a Cu(<scp>ii</scp>)-phthalocyanine-perylenebisimide dyad. Physical Chemistry Chemical Physics, 2017, 19, 22169-22176.	2.8	5
128	Disorder in P3HT Nanoparticles Probed by Optical Spectroscopy on P3HT-b-PEG Micelles. Journal of Physical Chemistry A, 2021, 125, 10165-10173.	2.5	5
129	Spectral diffusion of the lowest exciton component in the core complex from Rhodopseudomonas palustris studied by single-molecule spectroscopy. Photosynthesis Research, 2008, 95, 285-290.	2.9	4
130	Sunlight, Purple Bacteria, and Quantum Mechanics: How Purple Bacteria Harness Quantum Mechanics for Efficient Light Harvesting. Semiconductors and Semimetals, 2010, 83, 77-94.	0.7	4
131	A photoswitchable poly(3-hexylthiophene). Chemical Communications, 2013, 49, 4637.	4.1	4
132	Temperature dependence of the conversion efficiency of photochromic perylene bisimide dithienylcyclopentene triads embedded in a polymer. Physical Chemistry Chemical Physics, 2017, 19, 26065-26071.	2.8	4
133	Contribution of low-temperature single-molecule techniques to structural issues of pigmentâ€“protein complexes from photosynthetic purple bacteria. Journal of the Royal Society Interface, 2018, 15, 20170680.	3.4	4
134	Concealed Structural Colors Uncovered by Light Scattering. Advanced Optical Materials, 2020, 8, 2001307.	7.3	4
135	Unraveling intra-aggregate structural disorder using single-molecule spectroscopy. Journal of Chemical Physics, 2020, 153, 134304.	3.0	4
136	Single Biomolecules at Cryogenic Temperatures: From Structure to Dynamics. Springer Series in Biophysics, 2008, , 25-51.	0.4	4
137	Preprocess dependence of optical properties of ensembles and single siphonaxanthin-containing major antenna from the marine green alga Codium fragile. Scientific Reports, 2022, 12, 8461.	3.3	4
138	Photophysical Properties of a Tetraphenoxy-Substitued Perylene Bisimide Derivative Characterized by Single-Molecule Spectroscopy. ChemPhysChem, 2006, 7, 292-292.	2.1	3
139	Single-molecule electron spin resonance. Applied Magnetic Resonance, 2007, 31, 665-676.	1.2	3
140	Single Molecule Spectroscopy of Pigment Protein Complexes from Purple Bacteria. , 2006, , 309-321.		3
141	Optical Spectroscopy of Individual Light-Harvesting Complexes. Advances in Photosynthesis and Respiration, 2008, , 241-266.	1.0	3
142	The influence of exciton-dispersion on the lineshape of NaNO2 fluorescence. Journal of Molecular Structure, 1990, 219, 37-42.	3.6	2
143	Luminescence Spectra and Lattice Dynamics of NaNO₂ in the Ferroelectric Phase. Physica Status Solidi (B): Basic Research, 1992, 173, 587-599.	1.5	2
144	Non-invasive study of the three-dimensional structure of nanoporous triblock terpolymer membranes. Soft Matter, 2018, 14, 9750-9754.	2.7	2

#	Article	IF	Citations
145	Probing size variations of molecular aggregates inside chlorosomes using single-object spectroscopy. Journal of Chemical Physics, 2021, 155, 124310.	3.0	2
146	Optical Spectroscopy of Individual Light-Harvesting Complexes from Purple Bacteria. Advances in Photosynthesis and Respiration, 2009, , 877-894.	1.0	2
147	Relaxation and coherence of singlet-excitons in NaNO2 crystals. Journal of Luminescence, 1992, 53, 76-79.	3.1	1
148	Magnetische Resonanz an einzelnen MolekÃ¼len (I): Die Hyperfeinwechselwirkung eines molekularen Spins mit einem Kernspin. Physik Journal, 1996, 52, 699-702.	0.1	1
149	Perspectives of single-molecule magnetic-resonance spectroscopy. Comptes Rendus De L'AcadÃ©mie Des Sciences - Series IIB - Mechanics-Physics-Chemistry-Astronomy, 1997, 324, 373-387.	0.1	1
150	Photosynthese und Exzitonen: QuantenzustÃnde in Antennenkomplexen beschleunigen die Photosynthese. Physik Journal, 2000, 56, 47-50.	0.1	1
151	Spectroscopy of Individual Photosynthetic Pigment-Protein Complexes. , 0, , 185-229.		1
152	Do impurity chromophores affect the tunneling dynamics of an amorphous polymer? Investigation by single-molecule spectroscopy. Molecular Physics, 2009, 107, 1943-1953.	1.7	1
153	Nanotube knockout. Nature Chemistry, 2012, 4, 598-600.	13.6	1
154	Studying conformational changes of proteins via single-molecule spectroscopy: Cryogenic temperatures versus room temperature. Advances in Botanical Research, 2019, , 1-31.	1.1	1
155	Long-term switching of single photochromic triads based on dithienylcyclopentene and fluorophores at cryogenic temperatures. Journal of Chemical Physics, 2021, 155, 014901.	3.0	1
156	The Electronic Structure of Single Photosynthetic Pigment-Protein Complexes. Springer Series in Chemical Physics, 2001, , 62-81.	0.2	1
157	All-optical manipulation of singlet exciton transport in individual supramolecular nanostructures by triplet gating. Nanoscale Horizons, 2021, 6, 998-1005.	8.0	1
158	Wavelength-Dependent Optical Response of Single Photosynthetic Antenna Complexes from Siphonous Green Alga Codium fragile. Journal of Physical Chemistry Letters, 0, , 5226-5231.	4.6	1
159	Inside Cover: Farâ€Field Nanodiagnostics of Solids with Visible Light by Spectrally Selective Imaging (Angew. Chem. Int. Ed. 51/2009). Angewandte Chemie - International Edition, 2009, 48, 9568-9568.	13.8	0
160	Switching or blinking? â€“ The switching behaviour of single photochromic triads. EPJ Web of Conferences, 2018, 190, 04014.	0.3	0
161	Local and macroscopic characterization with single molecules and single quantum emitters. EPJ Web of Conferences, 2018, 190, 03002.	0.3	0
162	Light controls light: single molecules as optical switches. EPJ Web of Conferences, 2018, 190, 02006.	0.3	0

#	Article	IF	Citations
163	Optical Spectroscopy of Individual Photosynthetic Pigment Protein Complexes. , 2001, , .		0
164	The Influence of Symmetry on the Electronic Structure of the Photosynthetic Pigment-Protein Complexes from Purple Bacteria. Springer Series in Chemical Physics, 2010, , 513-533.	0.2	0
165	Microrefractometry and Mapping of the Local Fields by Multiparameter Fluorescence Nanoscopy of Single Molecules and Quantum Dots. , 2020, , .		0