

Jürgen Kähler

List of Publications by Year in descending order

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165
papers

5,808
citations

87888

38
h-index

88630

70
g-index

172
all docs

172
docs citations

172
times ranked

5075
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Preprocess dependence of optical properties of ensembles and single siphonaxanthin-containing major antenna from the marine green alga <i>Codium fragile</i> . <i>Scientific Reports</i> , 2022, 12, 8461. | 3.3 | 4 |
| 2 | Limitations of Linear Dichroism Spectroscopy for Elucidating Structural Issues of Light-Harvesting Aggregates in Chlorosomes. <i>Molecules</i> , 2021, 26, 899. | 3.8 | 6 |
| 3 | Long-term switching of single photochromic triads based on dithienylcyclopentene and fluorophores at cryogenic temperatures. <i>Journal of Chemical Physics</i> , 2021, 155, 014901. | 3.0 | 1 |
| 4 | Probing size variations of molecular aggregates inside chlorosomes using single-object spectroscopy. <i>Journal of Chemical Physics</i> , 2021, 155, 124310. | 3.0 | 2 |
| 5 | All-optical manipulation of singlet exciton transport in individual supramolecular nanostructures by triplet gating. <i>Nanoscale Horizons</i> , 2021, 6, 998-1005. | 8.0 | 1 |
| 6 | Disorder in P3HT Nanoparticles Probed by Optical Spectroscopy on P3HT- <i>b</i> -PEG Micelles. <i>Journal of Physical Chemistry A</i> , 2021, 125, 10165-10173. | 2.5 | 5 |
| 7 | Concealed Structural Colors Uncovered by Light Scattering. <i>Advanced Optical Materials</i> , 2020, 8, 2001307. | 7.3 | 4 |
| 8 | Unraveling intra-aggregate structural disorder using single-molecule spectroscopy. <i>Journal of Chemical Physics</i> , 2020, 153, 134304. | 3.0 | 4 |
| 9 | The Association Kinetics Encode the Light Dependence of Arabidopsis Phytochrome B Interactions. <i>Journal of Molecular Biology</i> , 2020, 432, 4327-4340. | 4.2 | 6 |
| 10 | Enhancing Long-Range Energy Transport in Supramolecular Architectures by Tailoring Coherence Properties. <i>Journal of the American Chemical Society</i> , 2020, 142, 8323-8330. | 13.7 | 43 |
| 11 | Microrefractometry and Mapping of the Local Fields by Multiparameter Fluorescence Nanoscopy of Single Molecules and Quantum Dots. , 2020, , . | | 0 |
| 12 | Identification of Multiple Kinetic Populations of DNA-Binding Proteins in Live Cells. <i>Biophysical Journal</i> , 2019, 117, 950-961. | 0.5 | 12 |
| 13 | Spectral and Structural Variations of Biomimetic Light-Harvesting Nanotubes. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2715-2724. | 4.6 | 20 |
| 14 | Studying conformational changes of proteins via single-molecule spectroscopy: Cryogenic temperatures versus room temperature. <i>Advances in Botanical Research</i> , 2019, , 1-31. | 1.1 | 1 |
| 15 | Direct observation of backbone planarization via side-chain alignment in single bulky-substituted polythiophenes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2699-2704. | 7.1 | 42 |
| 16 | Contribution of low-temperature single-molecule techniques to structural issues of pigment-protein complexes from photosynthetic purple bacteria. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20170680. | 3.4 | 4 |
| 17 | Switching or blinking? - The switching behaviour of single photochromic triads. <i>EPJ Web of Conferences</i> , 2018, 190, 04014. | 0.3 | 0 |
| 18 | Non-invasive study of the three-dimensional structure of nanoporous triblock terpolymer membranes. <i>Soft Matter</i> , 2018, 14, 9750-9754. | 2.7 | 2 |

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|----|---|------|-----------|
| 19 | Local and macroscopic characterization with single molecules and single quantum emitters. EPJ Web of Conferences, 2018, 190, 03002. | 0.3 | 0 |
| 20 | Light controls light: single molecules as optical switches. EPJ Web of Conferences, 2018, 190, 02006. | 0.3 | 0 |
| 21 | Micro-Refractometry and Local-Field Mapping with Single Molecules. Nano Letters, 2018, 18, 6129-6134. | 9.1 | 31 |
| 22 | Structural Variations in Chlorosomes from Wild-Type and a <i>bchQR</i> Mutant of <i>Chlorobaculum tepidum</i> Revealed by Single-Molecule Spectroscopy. Journal of Physical Chemistry B, 2018, 122, 6712-6723. | 2.6 | 18 |
| 23 | Deliberate Switching of Single Photochromic Triads. Scientific Reports, 2017, 7, 41739. | 3.3 | 9 |
| 24 | Real-Time Observation of Iodide Ion Migration in Methylammonium Lead Halide Perovskites. Small, 2017, 13, 1701711. | 10.0 | 148 |
| 25 | 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 |
| 26 | Exciton Transport in Molecular Aggregates – From Natural Antennas to Synthetic Chromophore Systems. Advanced Energy Materials, 2017, 7, 1700236. | 19.5 | 249 |
| 27 | Excited state dynamics and conformations of a Cu(<i>scp</i>)-phthalocyanine-perylenebisimide dyad. Physical Chemistry Chemical Physics, 2017, 19, 22169-22176. | 2.8 | 5 |
| 28 | Emission Enhancement and Intermittency in Polycrystalline Organolead Halide Perovskite Films. Molecules, 2016, 21, 1081. | 3.8 | 33 |
| 29 | Emitting Species of Poly(3-hexylthiophene): From Single, Isolated Chains to Bulk. Macromolecules, 2016, 49, 9553-9560. | 4.8 | 35 |
| 30 | Tracing Single Electrons in a Disordered Polymer Film at Room Temperature. Journal of Physical Chemistry Letters, 2016, 7, 1478-1483. | 4.6 | 11 |
| 31 | 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 |
| 32 | Fluorescence-excitation and Emission Spectroscopy on Single FMO Complexes. Scientific Reports, 2016, 6, 31875. | 3.3 | 9 |
| 33 | Structure of Light-Harvesting Aggregates in Individual Chlorosomes. Journal of Physical Chemistry B, 2016, 120, 5367-5376. | 2.6 | 55 |
| 34 | Reversible Laser-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 |
| 35 | Influence of the Conjugation Length on the Optical Spectra of Single Ladder-Type (<i>p</i> -Phenylene) Dimers and Polymers. Journal of Physical Chemistry A, 2016, 120, 233-240. | 2.5 | 25 |
| 36 | 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 |

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|----|---|------|-----------|
| 37 | The Open, the Closed, and the Empty: Time-Resolved Fluorescence Spectroscopy and Computational Analysis of RC-LH1 Complexes from <i>Rhodospseudomonas palustris</i> . Journal of Physical Chemistry B, 2015, 119, 1362-1373. | 2.6 | 5 |
| 38 | Long-range energy transport in single supramolecular nanofibres at room temperature. Nature, 2015, 523, 196-199. | 27.8 | 278 |
| 39 | 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 |
| 40 | Conformational Memory of a Protein Revealed by Single-Molecule Spectroscopy. Journal of Physical Chemistry B, 2015, 119, 13964-13970. | 2.6 | 15 |
| 41 | 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 |
| 42 | The origin of the split B800 absorption peak in the LH2 complexes from <i>Allochrocatium vinosum</i> . Photosynthesis Research, 2015, 123, 23-31. | 2.9 | 34 |
| 43 | 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 |
| 44 | Trapping on demand: External regulation of excitation energy transfer in a photoswitchable smart matrix. Applied Physics Letters, 2014, 104, 013304. | 3.3 | 7 |
| 45 | Insights into the Excitonic States of Individual Chlorosomes from <i>Chlorobaculum tepidum</i> . Biophysical Journal, 2014, 106, 1921-1927. | 0.5 | 21 |
| 46 | Synthesis and Photophysical Properties of Multichromophoric Carbonyl-Bridged Triarylaminines. Chemistry - A European Journal, 2014, 20, 11708-11718. | 3.3 | 19 |
| 47 | Stepwise Decrease of Fluorescence versus Sequential Photobleaching in a Single Multichromophoric System. ACS Nano, 2014, 8, 1708-1717. | 14.6 | 20 |
| 48 | Single-Molecule Spectroscopy Unmasks the Lowest Exciton State of the B850 Assembly in LH2 from <i>Rps. acidophila</i> . Biophysical Journal, 2014, 106, 2008-2016. | 0.5 | 18 |
| 49 | Identification of the early postmortem metabolic state of porcine <i>M. semimembranosus</i> using Raman spectroscopy. Vibrational Spectroscopy, 2014, 70, 12-17. | 2.2 | 15 |
| 50 | Probing the type of anomalous diffusion with single-particle tracking. Physical Chemistry Chemical Physics, 2014, 16, 7686-7691. | 2.8 | 82 |
| 51 | Does the Reconstitution of RC-LH1 Complexes from <i>Rhodospseudomonas acidophila</i> 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 |
| 52 | Fluctuations in the Electron-Phonon Coupling of a Single Chromoprotein. Angewandte Chemie - International Edition, 2013, 52, 8726-8730. | 13.8 | 15 |
| 53 | Fluorescence-Excitation and Emission Spectra from LH2 Antenna Complexes of <i>Rhodospseudomonas acidophila</i> as a Function of the Sample Preparation Conditions. Journal of Physical Chemistry B, 2013, 117, 12020-12029. | 2.6 | 16 |
| 54 | 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 |

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|----|--|------|-----------|
| 55 | Measuring a diffusion coefficient by single-particle tracking: statistical analysis of experimental mean squared displacement curves. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 845-849. | 2.8 | 86 |
| 56 | A photoswitchable poly(3-hexylthiophene). <i>Chemical Communications</i> , 2013, 49, 4637. | 4.1 | 4 |
| 57 | Influence of Phospholipid Composition on Self-Assembly and Energy-Transfer Efficiency in Networks of Light-Harvesting 2 Complexes. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10395-10404. | 2.6 | 31 |
| 58 | Single-Molecule Spectroscopy on RC-LH1 Complexes of <i>Rhodospseudomonas acidophila</i> Strain 10050. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3120-3126. | 2.6 | 14 |
| 59 | Optical gating of perylene bisimide fluorescence using dithienylcyclopentene photochromic switches. <i>Applied Physics Letters</i> , 2013, 103, . | 3.3 | 13 |
| 60 | Setup for single-particle orbit tracking: artifacts and corrections. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012, 29, 1277. | 1.5 | 9 |
| 61 | Fractional Brownian motion in crowded fluids. <i>Soft Matter</i> , 2012, 8, 4886. | 2.7 | 128 |
| 62 | Nanotube knockout. <i>Nature Chemistry</i> , 2012, 4, 598-600. | 13.6 | 1 |
| 63 | Exciton Self Trapping in Photosynthetic Pigment-Protein Complexes Studied by Single-Molecule Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11017-11023. | 2.6 | 41 |
| 64 | Single molecule studies of calix[4]arene-linked perylene bisimide dimers: relationship between blinking, lifetime and/or spectral fluctuations. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 10789. | 2.8 | 20 |
| 65 | Fluorescence Excitation Spectra from Individual Chlorosomes of the Green Sulfur Bacterium <i>Chlorobaculum tepidum</i> . <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3745-3750. | 4.6 | 19 |
| 66 | Conformational dynamics of di-(perylene bisimide acrylate) and its footprints in steady-state, time-resolved, and fluorescence-correlation spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 7971. | 2.8 | 8 |
| 67 | The Electronically Excited States of LH2 Complexes from <i>Rhodospseudomonas acidophila</i> Strain 10050 Studied by Time-Resolved Spectroscopy and Dynamic Monte Carlo Simulations. II. Homo-Arrays Of LH2 Complexes Reconstituted Into Phospholipid Model Membranes. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8821-8831. | 2.6 | 31 |
| 68 | Is There Elliptic Distortion in the Light Harvesting Complex 2 of Purple Bacteria?. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12947-12953. | 2.6 | 21 |
| 69 | Diffusion-Limited Energy Transfer in Blends of Oligofluorenes with an Anthracene Derivative. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8063-8070. | 2.6 | 13 |
| 70 | The Electronically Excited States of LH2 Complexes from <i>Rhodospseudomonas acidophila</i> Strain 10050 Studied by Time-Resolved Spectroscopy and Dynamic Monte Carlo Simulations. I. Isolated, Non-Interacting LH2 Complexes. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8813-8820. | 2.6 | 26 |
| 71 | Diblock copolymer membranes investigated by single-particle tracking. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2278-2284. | 2.8 | 9 |
| 72 | 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. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 1734-1742. | 2.8 | 27 |

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|----|---|------|-----------|
| 73 | Hybrid Nanostructures for Enhanced Light-Harvesting: Plasmon Induced Increase in Fluorescence from Individual Photosynthetic Pigment-Protein Complexes. <i>Nano Letters</i> , 2011, 11, 4897-4901. | 9.1 | 65 |
| 74 | Fluorescence Blinking of the RC-LH1 Complex from <i>Rhodospseudomonas palustris</i> . <i>ChemPhysChem</i> , 2011, 12, 711-716. | 2.1 | 13 |
| 75 | An Organic Optical Transistor Operated under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11405-11408. | 13.8 | 52 |
| 76 | AFM characterization of spin-coated multilayered dry lipid films prepared from aqueous vesicle suspensions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 25-32. | 5.0 | 14 |
| 77 | Ortho-Dichlorobenzene Doped with Terylene a Highly Photo-Stable Single-Molecule System Promising for Photonics Applications. <i>ChemPhysChem</i> , 2010, 11, 182-187. | 2.1 | 30 |
| 78 | Interaction of CO Dehydrogenase with the Cytoplasmic Membrane Monitored by Fluorescence Correlation Spectroscopy. <i>ChemBioChem</i> , 2010, 11, 2419-2423. | 2.6 | 6 |
| 79 | Sunlight, Purple Bacteria, and Quantum Mechanics: How Purple Bacteria Harness Quantum Mechanics for Efficient Light Harvesting. <i>Semiconductors and Semimetals</i> , 2010, 83, 77-94. | 0.7 | 4 |
| 80 | The influence of π -stacking on the light-harvesting properties of perylene bisimide antennas that are covalently linked to a [60]fullerene. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 14485. | 2.8 | 12 |
| 81 | Mutual Interplay of Light Harvesting and Triplet Sensitizing in a Perylene Bisimide Antenna-Fullerene Dyad. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9148-9156. | 2.6 | 56 |
| 82 | The Influence of Symmetry on the Electronic Structure of the Photosynthetic Pigment-Protein Complexes from Purple Bacteria. <i>Springer Series in Chemical Physics</i> , 2010, , 513-533. | 0.2 | 0 |
| 83 | Single-Molecule Spectroscopy on a Ladder-Type Conjugated Polymer: Electron-Phonon Coupling and Spectral Diffusion. <i>ChemPhysChem</i> , 2009, 10, 2524-2534. | 2.1 | 22 |
| 84 | Far-Field Nanodiagnostics of Solids with Visible Light by Spectrally Selective Imaging. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9747-9750. | 13.8 | 32 |
| 85 | Inside Cover: Far-Field Nanodiagnostics of Solids with Visible Light by Spectrally Selective Imaging (<i>Angew. Chem. Int. Ed.</i> 51/2009). <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9568-9568. | 13.8 | 0 |
| 86 | Low-temperature single-molecule spectroscopy on photosynthetic pigment-protein complexes from purple bacteria. <i>Photosynthesis Research</i> , 2009, 101, 171-179. | 2.9 | 17 |
| 87 | Photoblinking dynamics in single calix[4]arene-linked perylene bisimide dimers. <i>Chemical Physics Letters</i> , 2009, 482, 93-98. | 2.6 | 13 |
| 88 | Single-Molecule Spectroscopy Reveals that Individual Low-Light LH2 Complexes from <i>Rhodospseudomonas palustris</i> 2.1.6. Have a Heterogeneous Polypeptide Composition. <i>Biophysical Journal</i> , 2009, 97, 1491-1500. | 0.5 | 63 |
| 89 | Spectral Diffusion and Electron-Phonon Coupling of the B800 BChl a Molecules in LH2 Complexes from Three Different Species of Purple Bacteria. <i>Biophysical Journal</i> , 2009, 97, 2604-2612. | 0.5 | 24 |
| 90 | Energy- and charge-transfer processes in flexible organic donor-acceptor dyads. <i>Journal of Chemical Physics</i> , 2009, 131, 144512. | 3.0 | 13 |

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|-----|--|------|-----------|
| 91 | Use of single-molecule spectroscopy to tackle fundamental problems in biochemistry: using studies on purple bacterial antenna complexes as an example. <i>Biochemical Journal</i> , 2009, 422, 193-205. | 3.7 | 33 |
| 92 | Do impurity chromophores affect the tunneling dynamics of an amorphous polymer? Investigation by single-molecule spectroscopy. <i>Molecular Physics</i> , 2009, 107, 1943-1953. | 1.7 | 1 |
| 93 | Optical Spectroscopy of Individual Light-Harvesting Complexes from Purple Bacteria. <i>Advances in Photosynthesis and Respiration</i> , 2009, , 877-894. | 1.0 | 2 |
| 94 | Comparison of the fluorescence kinetics of detergent-solubilized and membrane-reconstituted LH2 complexes from <i>Rps. acidophila</i> and <i>Rb. sphaeroides</i> . <i>Photosynthesis Research</i> , 2008, 95, 291-298. | 2.9 | 38 |
| 95 | Spectral diffusion of the lowest exciton component in the core complex from <i>Rhodospseudomonas palustris</i> studied by single-molecule spectroscopy. <i>Photosynthesis Research</i> , 2008, 95, 285-290. | 2.9 | 4 |
| 96 | Cooperative binding of ATP and RNA induces a closed conformation in a DEAD box RNA helicase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 548-553. | 7.1 | 141 |
| 97 | Determination of the Spectral Diffusion Kernel of a Protein by Single-Molecule Spectroscopy. <i>Physical Review Letters</i> , 2008, 100, 018108. | 7.8 | 28 |
| 98 | Optical Spectroscopy of Individual Light-Harvesting Complexes. <i>Advances in Photosynthesis and Respiration</i> , 2008, , 241-266. | 1.0 | 3 |
| 99 | Single Biomolecules at Cryogenic Temperatures: From Structure to Dynamics. <i>Springer Series in Biophysics</i> , 2008, , 25-51. | 0.4 | 4 |
| 100 | Symmetry matters for the electronic structure of core complexes from <i>Rhodospseudomonas palustris</i> and <i>Rhodobacter sphaeroides</i> PufX-. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6661-6665. | 7.1 | 30 |
| 101 | Refinement of the x-ray structure of the RC LH1 core complex from <i>Rhodospseudomonas palustris</i> by single-molecule spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20280-20284. | 7.1 | 42 |
| 102 | Do Proteins at Low Temperature Behave as Glasses? A Single-Molecule Study. <i>Journal of Physical Chemistry B</i> , 2007, 111, 1135-1138. | 2.6 | 27 |
| 103 | Single-Molecule Spectroscopic Characterization of Light-Harvesting 2 Complexes Reconstituted into Model Membranes. <i>Biophysical Journal</i> , 2007, 93, 183-191. | 0.5 | 37 |
| 104 | Revealing the Electron-Phonon Coupling in a Conjugated Polymer by Single-Molecule Spectroscopy. <i>Advanced Materials</i> , 2007, 19, 1978-1982. | 21.0 | 38 |
| 105 | Comparison of the Photophysical Parameters for Three Perylene Bisimide Derivatives by Single-Molecule Spectroscopy. <i>ChemPhysChem</i> , 2007, 8, 1487-1496. | 2.1 | 42 |
| 106 | Continuous-wave two-photon spectroscopy on a ladder-type conjugated polymer. <i>Chemical Physics Letters</i> , 2007, 448, 213-217. | 2.6 | 11 |
| 107 | Low temperature spectroscopy of proteins. Part II: Experiments with single protein complexes. <i>Physics of Life Reviews</i> , 2007, 4, 64-89. | 2.8 | 46 |
| 108 | Towards Nanoporous Membranes based on ABC Triblock Terpolymers. <i>Small</i> , 2007, 3, 1056-1063. | 10.0 | 47 |

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|-----|--|-----|-----------|
| 109 | Single-molecule electron spin resonance. <i>Applied Magnetic Resonance</i> , 2007, 31, 665-676. | 1.2 | 3 |
| 110 | The architecture and function of the light-harvesting apparatus of purple bacteria: from single molecules to in vivo membranes. <i>Quarterly Reviews of Biophysics</i> , 2006, 39, 227-324. | 5.7 | 610 |
| 111 | Probing the Electronic Structure and Conformational Flexibility of Individual Light-Harvesting 3 Complexes by Optical Single-Molecule Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006, 110, 18710-18717. | 2.6 | 25 |
| 112 | Epifluorescence, confocal and total internal reflection microscopy for single-molecule experiments: a quantitative comparison. <i>Journal of Microscopy</i> , 2006, 222, 118-123. | 1.8 | 35 |
| 113 | Towards the characterization of energy-transfer processes in organic donor-acceptor dyads based on triphenyldiamine and perylenebisimides. <i>Chemical Physics</i> , 2006, 328, 403-409. | 1.9 | 15 |
| 114 | Picosecond excitation energy relaxation processes in a ladder-type π -conjugated polymer. <i>Chemical Physics Letters</i> , 2006, 429, 103-108. | 2.6 | 19 |
| 115 | Spectroscopy of proteins at low temperature. Part I: Experiments with molecular ensembles. <i>Physics of Life Reviews</i> , 2006, 3, 262-292. | 2.8 | 35 |
| 116 | Photophysical Properties of a Tetraphenoxy-Substituted Perylene Bisimide Derivative Characterized by Single-Molecule Spectroscopy. <i>ChemPhysChem</i> , 2006, 7, 292-292. | 2.1 | 3 |
| 117 | Single Molecule Spectroscopy of Pigment Protein Complexes from Purple Bacteria. , 2006, , 309-321. | | 3 |
| 118 | Photophysical Properties of a Tetraphenoxy-Substituted Perylene Bisimide Derivative Characterized by Single-Molecule Spectroscopy. <i>ChemPhysChem</i> , 2005, 6, 935-941. | 2.1 | 52 |
| 119 | Multivariate Analysis of Single-Molecule Spectra: Surpassing Spectral Diffusion. <i>Physical Review Letters</i> , 2005, 94, 195501. | 7.8 | 53 |
| 120 | Optical Spectroscopy on Individual amphiphilic J-Aggregates. <i>Nano Letters</i> , 2005, 5, 2635-2640. | 9.1 | 70 |
| 121 | Energetic disorder and the B850-exciton states of individual light-harvesting 2 complexes from <i>Rhodospseudomonas acidophila</i> . <i>Chemical Physics Letters</i> , 2004, 395, 373-378. | 2.6 | 94 |
| 122 | Spectral dynamics in the B800 band of LH2 from <i>Rhodospirillum rubrum</i> : a single-molecule study. <i>New Journal of Physics</i> , 2004, 6, 8-8. | 2.9 | 57 |
| 123 | Energy transfer in a single self-aggregated photosynthetic unit. <i>FEBS Letters</i> , 2003, 546, 345-348. | 2.8 | 22 |
| 124 | Direct observation of tiers in the energy landscape of a chromoprotein: A single-molecule study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 15534-15538. | 7.1 | 145 |
| 125 | Single-Molecule Study of the Electronic Couplings in a Circular Array of Molecules: Light-Harvesting-2 Complex from <i>Rhodospirillum rubrum</i> . <i>Physical Review Letters</i> , 2003, 90, 013004. | 7.8 | 81 |
| 126 | Spectroscopy on Individual Light-Harvesting 1 Complexes of <i>Rhodospseudomonas acidophila</i> . <i>Biophysical Journal</i> , 2002, 83, 1701-1715. | 0.5 | 42 |

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|-----|---|------|-----------|
| 127 | Spectral diffusion of individual pentacene, terrylene, and dibenzanthanthrene molecules in n-tetradecane. <i>Journal of Chemical Physics</i> , 2001, 114, 6843-6850. | 3.0 | 21 |
| 128 | Spectroscopy on the B850 Band of Individual Light-Harvesting 2 Complexes of <i>Rhodospseudomonas acidophila</i> I. Experiments and Monte Carlo Simulations. <i>Biophysical Journal</i> , 2001, 80, 1591-1603. | 0.5 | 163 |
| 129 | Spectroscopy on the B850 Band of Individual Light-Harvesting 2 Complexes of <i>Rhodospseudomonas acidophila</i> II. Exciton States of an Elliptically Deformed Ring Aggregate. <i>Biophysical Journal</i> , 2001, 80, 1604-1614. | 0.5 | 149 |
| 130 | Optical spectroscopy of individual objects. <i>Die Naturwissenschaften</i> , 2001, 88, 514-521. | 1.6 | 7 |
| 131 | Optical Spectroscopy of Individual Photosynthetic Pigment Protein Complexes. <i>International Journal of Modern Physics B</i> , 2001, 15, 3633-3636. | 2.0 | 5 |
| 132 | The Electronic Structure of Single Photosynthetic Pigment-Protein Complexes. <i>Springer Series in Chemical Physics</i> , 2001, , 62-81. | 0.2 | 1 |
| 133 | Optical Spectroscopy of Individual Photosynthetic Pigment Protein Complexes. , 2001, , . | | 0 |
| 134 | An optical study of single pentacene molecules in n-tetradecane. <i>Chemical Physics Letters</i> , 2000, 317, 232-237. | 2.6 | 20 |
| 135 | Photosynthese und Exzitonen: Quantenzustände in Antennenkomplexen beschleunigen die Photosynthese. <i>Physik Journal</i> , 2000, 56, 47-50. | 0.1 | 1 |
| 136 | Spectroscopy of Individual Light-Harvesting 2 Complexes of <i>Rhodospseudomonas acidophila</i> : Diagonal Disorder, Intercomplex Heterogeneity, Spectral Diffusion, and Energy Transfer in the B800 Band. <i>Biophysical Journal</i> , 2000, 78, 1570-1577. | 0.5 | 107 |
| 137 | Magnetic resonance of a single molecular spin. <i>Physics Reports</i> , 1999, 310, 261-339. | 25.6 | 41 |
| 138 | Spectroscopy of individual LH2 complexes of <i>Rhodospseudomonas acidophila</i> : localized excitations in the B800 band. <i>Chemical Physics</i> , 1999, 247, 53-60. | 1.9 | 55 |
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