Stefan Krause

List of Publications by Year
in descending order

25	371	623734 14	794594 19
papers	citations	h-index	g-index

25	25	25	478
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Graphene Energy Transfer for Singleâ€Molecule Biophysics, Biosensing, and Superâ€Resolution Microscopy. Advanced Materials, 2021, 33, e2101099.	21.0	38
2	Temperature dependent excited state relaxation of a red emitting DNA-templated silver nanocluster. Chemical Communications, 2017, 53, 12556-12559.	4.1	34
3	Identification of Different Donor-Acceptor Structures via FÃ¶rster Resonance Energy Transfer (FRET) in Quantum-Dot-Perylene Bisimide Assemblies. International Journal of Molecular Sciences, 2009, 10, 5239-5256.	4.1	28
4	Freezing single molecule dynamics on interfaces and in polymers. Physical Chemistry Chemical Physics, 2011, 13, 1754-1761.	2.8	25
5	Spectral Diffusion of Single Molecules in a Hierarchical Energy Landscape. ChemPhysChem, 2011, 12, 303-312.	2.1	25
6	Anti-Stokes fluorescence microscopy using direct and indirect dark state formation. Chemical Communications, 2018, 54, 4569-4572.	4.1	25
7	Disentangling optically activated delayed fluorescence and upconversion fluorescence in DNA stabilized silver nanoclusters. Chemical Science, 2019, 10, 5326-5331.	7.4	20
8	Graphene-on-Glass Preparation and Cleaning Methods Characterized by Single-Molecule DNA Origami Fluorescent Probes and Raman Spectroscopy. ACS Nano, 2021, 15, 6430-6438.	14.6	20
9	Efficient simultaneous fluorescence orientation, spectrum, and lifetime detection for single molecule dynamics. Journal of Chemical Physics, 2012, 137, 164202.	3.0	19
10	Monitoring Nanoscale Deformations in a Drawn Polymer Melt with Single-Molecule Fluorescence Polarization Microscopy. ACS Nano, 2016, 10, 1908-1917.	14.6	17
11	Thulium- and Erbium-Doped Nanoparticles with Poly(acrylic acid) Coating for Upconversion Cross-Correlation Spectroscopy-based Sandwich Immunoassays in Plasma. ACS Applied Nano Materials, 2021, 4, 432-440.	5.0	17
12	Single-molecule excitationâ€“emission spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4064-4069.	7.1	16
13	Upconversion Crossâ€Correlation Spectroscopy of a Sandwich Immunoassay. Chemistry - A European Journal, 2018, 24, 9229-9233.	3.3	15
14	Probing heterogeneity of NIR induced secondary fluorescence from DNA-stabilized silver nanoclusters at the single molecule level. Physical Chemistry Chemical Physics, 2018, 20, 16316-16319.	2.8	15
15	Probing emission of a DNA-stabilized silver nanocluster from the sub-nanosecond to millisecond timescale in a single measurement. Chemical Science, 2022, 13, 5582-5587.	7.4	11
16	Dynamics of Single-Molecule Stokes Shifts: Influence of Conformation and Environment. Journal of Physical Chemistry Letters, 2016, 7, 4281-4284.	4.6	9
17	Photon Energy Dependent Micro-Raman Spectroscopy with a Continuum Laser Source. Scientific Reports, 2018, 8, 11621.	3.3	9
18	Lanthanide-Doped Nanoparticles for Stimulated Emission Depletion Nanoscopy. ACS Applied Nano Materials, 2019, 2, 5817-5823.	5.0	8

#	Article	IF	Citations
19	Optical Tracking of Single Ag Clusters in Nanostructured Water Films. Journal of Physical Chemistry C, 2013, 117, 24822-24829.	3.1	5
20	NIR induced modulation of the red emission from erbium ions for selective lanthanide imaging. Methods and Applications in Fluorescence, 2018, 6, 044001.	2.3	5
21	Optical investigation of diffusion of single Ag markers in confined water films. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	4
22	Stokes shift microscopy by excitation and emission imaging. Optics Express, 2019, 27, 8208.	3.4	4
23	Assemblies from metallic and semiconducting nanocrystals. Applied Physics A: Materials Science and Processing, 2014, 115, 617-625.	2.3	2
24	Single-Molecule Excitation-Emission Spectroscopy at Room Temperature Based on a Common-Path Interferometer. , 2019, , .		0
25	Broadband excitation-emission Fourier-transform spectroscopy of single molecules at ambient conditions (Conference Presentation). , 2018, , .		0