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	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
2	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
3	Graphene Energy Transfer for Singleâ€Molecule Biophysics, Biosensing, and Superâ€Resolution Microscopy. Advanced Materials, 2021, 33, e2101099.	21.0	38
4	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
5	Lanthanide-Doped Nanoparticles for Stimulated Emission Depletion Nanoscopy. ACS Applied Nano Materials, 2019, 2, 5817-5823.	5.0	8
6	Disentangling optically activated delayed fluorescence and upconversion fluorescence in DNA stabilized silver nanoclusters. Chemical Science, 2019, 10, 5326-5331.	7.4	20
7	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
8	Single-Molecule Excitation-Emission Spectroscopy at Room Temperature Based on a Common-Path Interferometer. , 2019, , .		0
9	Stokes shift microscopy by excitation and emission imaging. Optics Express, 2019, 27, 8208.	3.4	4
10	Anti-Stokes fluorescence microscopy using direct and indirect dark state formation. Chemical Communications, 2018, 54, 4569-4572.	4.1	25
11	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
12	Upconversion Crossâ€Correlation Spectroscopy of a Sandwich Immunoassay. Chemistry - A European Journal, 2018, 24, 9229-9233.	3.3	15
13	Photon Energy Dependent Micro-Raman Spectroscopy with a Continuum Laser Source. Scientific Reports, 2018, 8, 11621.	3.3	9
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	Broadband excitation-emission Fourier-transform spectroscopy of single molecules at ambient conditions (Conference Presentation). , 2018, , .		0
16	Temperature dependent excited state relaxation of a red emitting DNA-templated silver nanocluster. Chemical Communications, 2017, 53, 12556-12559.	4.1	34
17	Dynamics of Single-Molecule Stokes Shifts: Influence of Conformation and Environment. Journal of Physical Chemistry Letters, 2016, 7, 4281-4284.	4.6	9
18	Monitoring Nanoscale Deformations in a Drawn Polymer Melt with Single-Molecule Fluorescence Polarization Microscopy. ACS Nano, 2016, 10, 1908-1917.	14.6	17

#	Article	IF	Citations
19	Optical investigation of diffusion of single Ag markers in confined water films. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	4
20	Assemblies from metallic and semiconducting nanocrystals. Applied Physics A: Materials Science and Processing, 2014, 115, 617-625.	2.3	2
21	Optical Tracking of Single Ag Clusters in Nanostructured Water Films. Journal of Physical Chemistry C, 2013, 117, 24822-24829.	3.1	5
22	Efficient simultaneous fluorescence orientation, spectrum, and lifetime detection for single molecule dynamics. Journal of Chemical Physics, 2012, 137, 164202.	3.0	19
23	Freezing single molecule dynamics on interfaces and in polymers. Physical Chemistry Chemical Physics, 2011, 13, 1754-1761.	2.8	25
24	Spectral Diffusion of Single Molecules in a Hierarchical Energy Landscape. ChemPhysChem, 2011, 12, 303-312.	2.1	25
25	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