

Gerald Kada

List of Publications by Year in descending order

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35
papers

2,927
citations

304368

22
h-index

395343

33
g-index

40
all docs

40
docs citations

40
times ranked

3567
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties of lipid microdomains in a muscle cell membrane visualized by single molecule microscopy. <i>EMBO Journal</i> , 2000, 19, 892-901.	3.5	543
2	Quick measurement of protein sulfhydryls with Ellman's reagent and with 4,4'-dithiodipyridine. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 373, 266-276.	1.9	482
3	Anomalous Fluorescence Enhancement of Cy3 and Cy3.5 versus Anomalous Fluorescence Loss of Cy5 and Cy7 upon Covalent Linking to IgG and Noncovalent Binding to Avidin. <i>Bioconjugate Chemistry</i> , 2000, 11, 696-704.	1.8	252
4	Static and Dynamical Properties of Single Poly(Ethylene Glycol) Molecules Investigated by Force Spectroscopy. <i>Single Molecules</i> , 2000, 1, 123-128.	1.7	238
5	Accurate measurement of avidin and streptavidin in crude biofluids with a new, optimized biotin-fluorescein conjugate. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1999, 1427, 33-43.	1.1	132
6	Localization of Single Avidin-Biotin Interactions Using Simultaneous Topography and Molecular Recognition Imaging. <i>ChemPhysChem</i> , 2005, 6, 897-900.	1.0	123
7	Recognition Force Spectroscopy Studies of the NTA-His6 Bond. <i>Single Molecules</i> , 2000, 1, 59-65.	1.7	111
8	Single Molecule Studies of Antibody-Antigen Interaction Strength Versus Intra-molecular Antigen Stability. <i>Journal of Molecular Biology</i> , 2005, 347, 597-606.	2.0	106
9	Age determination of blood spots in forensic medicine by force spectroscopy. <i>Forensic Science International</i> , 2007, 170, 8-14.	1.3	105
10	Poly(Ethylene Glycol): An Ideal Spacer for Molecular Recognition Force Microscopy/Spectroscopy.. <i>Single Molecules</i> , 2000, 1, 99-103.	1.7	83
11	Rapid estimation of avidin and streptavidin by fluorescence quenching or fluorescence polarization. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1999, 1427, 44-48.	1.1	80
12	Atomic force microscopy in bionanotechnology. <i>Nano Today</i> , 2008, 3, 12-19.	6.2	74
13	Surface attachment of ligands and receptors for molecular recognition force microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2002, 23, 115-123.	2.5	64
14	A combined optical and atomic force microscope for live cell investigations. <i>Ultramicroscopy</i> , 2006, 106, 645-651.	0.8	63
15	Dynamic force microscopy imaging of native membranes. <i>Ultramicroscopy</i> , 2003, 97, 229-237.	0.8	62
16	Accurate titration of avidin and streptavidin with biotin-fluorophore conjugates in complex, colored biofluids. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1998, 1381, 203-212.	1.1	50
17	Improved localization of cellular membrane receptors using combined fluorescence microscopy and simultaneous topography and recognition imaging. <i>Nanotechnology</i> , 2010, 21, 115504.	1.3	45
18	Recognition force microscopy/spectroscopy of ion channels: applications to the skeletal muscle Ca ²⁺ release channel (RyR1). <i>Ultramicroscopy</i> , 2001, 86, 129-137.	0.8	40

#	ARTICLE	IF	CITATIONS
19	Dynamic force microscopy imaging of plasmid DNA and viral RNA. <i>Biomaterials</i> , 2007, 28, 2403-2411.	5.7	39
20	Preparation of Thiol-Reactive Cy5 Derivatives from Commercial Cy5 Succinimidyl Ester. <i>Bioconjugate Chemistry</i> , 2000, 11, 161-166.	1.8	36
21	Improving the contrast of topographical AFM images by a simple averaging filter. <i>Ultramicroscopy</i> , 2006, 106, 822-828.	0.8	28
22	Second harmonic atomic force microscopy imaging of live and fixed mammalian cells. <i>Ultramicroscopy</i> , 2009, 109, 1056-1060.	0.8	24
23	Atomic-Force-Microscopy Imaging and Molecular-Recognition-Force Microscopy of Recrystallized Heterotetramers Comprising an S-Layer-Streptavidin Fusion Protein. <i>ChemBioChem</i> , 2006, 7, 588-591.	1.3	22
24	An AFM/Rotaxane Molecular Reading Head for Sequence-Dependent DNA Structures. <i>Small</i> , 2008, 4, 1468-1475.	5.2	21
25	Molecular recognition imaging using tuning fork-based transverse dynamic force microscopy. <i>Ultramicroscopy</i> , 2010, 110, 605-611.	0.8	21
26	2 nm Quantum Optical Lithography. <i>Optics Communications</i> , 2013, 291, 259-263.	1.0	18
27	Dithio-Phospholipids for Biospecific Immobilization of Proteins on Gold Surfaces. <i>Single Molecules</i> , 2002, 3, 119-125.	1.7	17
28	Static and Dynamical Properties of Single Poly(Ethylene Glycol) Molecules Investigated by Force Spectroscopy. , 2000, 1, 123.		13
29	Application of Biotin-4-Fluorescein in Homogeneous Fluorescence Assays for Avidin, Streptavidin, and Biotin or Biotin Derivatives. , 2008, 418, 73-88.		12
30	Dithio-phospholipids for oriented immobilization of proteins to gold surfaces. <i>Tetrahedron Letters</i> , 2001, 42, 2677-2680.	0.7	6
31	Poly(Ethylene Glycol): An Ideal Spacer for Molecular Recognition Force Microscopy/Spectroscopy.. , 2000, 1, 99.		2
32	New Atomic Force Microscope Facilitates Faster Workflow for Nanoscale In Situ Applications. <i>Microscopy Today</i> , 2016, 24, 26-31.	0.2	1
33	Recognition Force Spectroscopy Studies of the NTA-His6 Bond. , 2000, 1, 59.		1
34	Recognition Force Spectroscopy Studies of the NTA-His6 Bond. , 2000, 1, 59.		1
35	Recognition Force Spectroscopy Studies of the NTA-His6 Bond. , 2000, 1, 59.		1