

Vinod Subramaniam

List of Publications by Year in descending order

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253
papers

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22146

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261
docs citations

261
times ranked

14640
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracellular Proteinâ€™Lipid Interactions Studied by Rapid-Scan Electron Paramagnetic Resonance Spectroscopy. Journal of Physical Chemistry Letters, 2021, 12, 2471-2475.	4.6	10
2	Quantitative Determination of Dark Chromophore Population Explains the Apparent Low Quantum Yield of Red Fluorescent Proteins. Journal of Physical Chemistry B, 2020, 124, 1383-1391.	2.6	14
3	Lipid-Conjugated Rigidochromic Probe Discloses Membrane Alteration in Model Cells of Krabbe Disease. Biophysical Journal, 2019, 116, 477-486.	0.5	6
4	Orthogonal supramolecular protein assembly on patterned bifunctional surfaces. Chemical Communications, 2018, 54, 1615-1618.	4.1	5
5	Spermine induced reversible collapse of deoxyribonucleic acid-bridged nanoparticle-based assemblies. Nano Research, 2018, 11, 383-396.	10.4	5
6	Polymorph-specific distribution of binding sites determines thioflavin-T fluorescence intensity in $\hat{1}$ -synuclein fibrils. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2018, 25, 189-196.	3.0	52
7	Hydrophobic-Interaction-Induced Stiffening of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \hat{1} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Synuclein Fibril Networks. Physical Review Letters, 2018, 120, 208102.	7.8	17
8	Exogenous $\hat{1}$ -synuclein hinders synaptic communication in cultured cortical primary rat neurons. PLoS ONE, 2018, 13, e0193763.	2.5	24
9	Distinct Mechanisms Determine $\hat{1}$ -Synuclein Fibril Morphology during Growth and Maturation. ACS Chemical Neuroscience, 2017, 8, 538-547.	3.5	41
10	Evidence for Intramolecular Antiparallel Beta-Sheet Structure in Alpha-Synuclein Fibrils from a Combination of Two-Dimensional Infrared Spectroscopy and Atomic Force Microscopy. Scientific Reports, 2017, 7, 41051.	3.3	111
11	Direct Visualization of Model Membrane Remodeling by $\hat{1}$ -Synuclein Fibrillization. ChemPhysChem, 2017, 18, 1620-1626.	2.1	20
12	The Alpha-Synuclein Fibril Fold - Comparing Models from Electron Paramagnetic Resonance and NMR. Biophysical Journal, 2017, 112, 447a.	0.5	0
13	Alpha-Synuclein Disease Mutations Are Structurally Defective and Locally Affect Membrane Binding. Journal of the American Chemical Society, 2017, 139, 4254-4257.	13.7	28
14	Solubilization of lipids and lipid phases by the styreneâ€™maleic acid copolymer. European Biophysics Journal, 2017, 46, 91-101.	2.2	66
15	C-Terminal Truncated $\hat{1}$ -Synuclein Fibrils Contain Strongly Twisted $\hat{2}$ -Sheets. Journal of the American Chemical Society, 2017, 139, 15392-15400.	13.7	77
16	Controlling Protein Surface Orientation by Strategic Placement of Oligo-Histidine Tags. ACS Nano, 2017, 11, 9068-9083.	14.6	44
17	Non-uniform self-assembly: On the anisotropic architecture of $\hat{1}$ -synuclein supra-fibrillar aggregates. Scientific Reports, 2017, 7, 7699.	3.3	3
18	Membrane Binding of Parkinson's Protein $\hat{1}$ -Synuclein: Effect of Phosphorylation at Positions 87 and 129 by the S to D Mutation Approach. Israel Journal of Chemistry, 2017, 57, 762-770.	2.3	12

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19	Room-temperature in-cell EPR spectroscopy: alpha-Synuclein disease variants remain intrinsically disordered in the cell. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 18147-18151.	2.8	26
20	Intracellular Manipulation of Phagosomal Transport and Maturation Using Magnetic Tweezers. <i>Methods in Molecular Biology</i> , 2017, 1519, 93-112.	0.9	3
21	2.19 Biophysical Analysis of Amyloid Formation. , 2017, , 438-451.		1
22	Membrane-Bound Alpha Synuclein Clusters Induce Impaired Lipid Diffusion and Increased Lipid Packing. <i>Biophysical Journal</i> , 2016, 111, 2440-2449.	0.5	21
23	The Impact of N-terminal Acetylation of α -Synuclein on Phospholipid Membrane Binding and Fibril Structure. <i>Journal of Biological Chemistry</i> , 2016, 291, 21110-21122.	3.4	81
24	Size-selective analyte detection with a Young interferometer sensor using multiple wavelengths. <i>Optics Express</i> , 2016, 24, 8594.	3.4	2
25	Functionally different α -synuclein inclusions yield insight into Parkinson's disease pathology. <i>Scientific Reports</i> , 2016, 6, 23116.	3.3	30
26	Chip based common-path optical coherence tomography system with an on-chip microlens and multi-reference suppression algorithm. <i>Optics Express</i> , 2016, 24, 12635.	3.4	10
27	Conformational Compatibility Is Essential for Heterologous Aggregation of α -Synuclein. <i>ACS Chemical Neuroscience</i> , 2016, 7, 719-727.	3.5	26
28	Fluorescence Methods for Unraveling Oligomeric Amyloid Intermediates. <i>Methods in Molecular Biology</i> , 2016, 1345, 151-169.	0.9	4
29	α -Synuclein Oligomers Stabilize Pre-Existing Defects in Supported Bilayers and Propagate Membrane Damage in a Fractal-Like Pattern. <i>Langmuir</i> , 2016, 32, 11827-11836.	3.5	22
30	Direct Observation of α -Synuclein Amyloid Aggregates in Endocytic Vesicles of Neuroblastoma Cells. <i>PLoS ONE</i> , 2016, 11, e0153020.	2.5	34
31	p53 Specifically Binds Triplex DNA In Vitro and in Cells. <i>PLoS ONE</i> , 2016, 11, e0167439.	2.5	19
32	Disease Related Point Mutations and Solution Conditions Determine Fibrillization Behavior of α -Synuclein. <i>Biophysical Journal</i> , 2015, 108, 63a.	0.5	0
33	Microtubules Shape GPCR Spatiotemporal Membrane Organization and Function by Scaffolding Cortical Signaling Hubs. <i>Biophysical Journal</i> , 2015, 108, 95a.	0.5	0
34	Supporting data of spatiotemporal proliferation of human stromal cells adjusts to nutrient availability and leads to stanniocalcin-1 expression in vitro and in vivo. <i>Data in Brief</i> , 2015, 5, 84-94.	1.0	1
35	Microcantilever based distance control between a probe and a surface. <i>Review of Scientific Instruments</i> , 2015, 86, 063706.	1.3	4
36	Parkinson's Protein α -Synuclein Binds Efficiently and with a Novel Conformation to Two Natural Membrane Mimics. <i>PLoS ONE</i> , 2015, 10, e0142795.	2.5	8

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37	Spatiotemporal proliferation of human stromal cells adjusts to nutrient availability and leads to stanniocalcin-1 expression in vitro and in vivo. <i>Biomaterials</i> , 2015, 61, 190-202.	11.4	9
38	Photonic effects on the fluorescence lifetimes of dyes in thin PVA layers. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
39	Direct patterning of nanoparticles and biomolecules by liquid nanodispensing. <i>Nanoscale</i> , 2015, 7, 4497-4504.	5.6	9
40	Alpha-Synuclein Amyloid Oligomers Act as Multivalent Nanoparticles to Cause Hemifusion in Negatively Charged Vesicles. <i>Small</i> , 2015, 11, 2257-2262.	10.0	11
41	Fibril Breaking Accelerates β -Synuclein Fibrillization. <i>Journal of Physical Chemistry B</i> , 2015, 119, 1912-1918.	2.6	43
42	Enhancing spectral shifts of plasmon-coupled noble metal nanoparticles for sensing applications. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 422-427.	2.8	35
43	Fibril Breaking Accelerates β -Synuclein Fibrillization. <i>Biophysical Journal</i> , 2015, 108, 63a.	0.5	1
44	Oligomers of Parkinson's Disease-Related β -Synuclein Mutants Have Similar Structures but Distinctive Membrane Permeabilization Properties. <i>Biochemistry</i> , 2015, 54, 3142-3150.	2.5	43
45	Three Long-Range Distance Constraints and an Approach Towards a Model for the β -Synuclein-Fibril Fold. <i>Applied Magnetic Resonance</i> , 2015, 46, 369-388.	1.2	2
46	Waveguide-coupled micro-ball lens array suitable for mass fabrication. <i>Optics Express</i> , 2015, 23, 22414.	3.4	14
47	Two distinct β -sheet structures in Italian-mutant amyloid-beta fibrils: a potential link to different clinical phenotypes. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 4899-4913.	5.4	26
48	Plasticity of the MAPK Signaling Network in Response to Mechanical Stress. <i>PLoS ONE</i> , 2014, 9, e101963.	2.5	9
49	Syntenin-1 and Ezrin Proteins Link Activated Leukocyte Cell Adhesion Molecule to the Actin Cytoskeleton. <i>Journal of Biological Chemistry</i> , 2014, 289, 13445-13460.	3.4	34
50	Photosynthesis in a different light: spectro-microscopy for in vivo characterization of chloroplasts. <i>Frontiers in Plant Science</i> , 2014, 5, 292.	3.6	3
51	Background Reduction in a Young Interferometer Biosensor. , 2014, , .		0
52	Characterizing Nanoscale Morphologic and Mechanical Properties of β -Synuclein Amyloid Fibrils with Atomic Force Microscopy. , 2014, , 309-322.		2
53	Predicting the Loading of Virus-Like Particles with Fluorescent Proteins. <i>Biomacromolecules</i> , 2014, 15, 558-563.	5.4	60
54	Long-Range Distance Constraints for the Fibril Fold of Parkinson's Protein Alpha-Synuclein. <i>Biophysical Journal</i> , 2014, 106, 269a.	0.5	0

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55	Membrane interactions and fibrillization of α -synuclein play an essential role in membrane disruption. <i>FEBS Letters</i> , 2014, 588, 4457-4463.	2.8	39
56	Evaluation of Fluorophores to Label SNAP-Tag Fused Proteins for Multicolor Single-Molecule Tracking Microscopy in Live Cells. <i>Biophysical Journal</i> , 2014, 107, 803-814.	0.5	92
57	Solution conditions define morphological homogeneity of α -synuclein fibrils. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 2127-2134.	2.3	34
58	Classification of Dynamical Diffusion States in Single Molecule Tracking Microscopy. <i>Biophysical Journal</i> , 2014, 107, 588-598.	0.5	28
59	Self-Assembly of Protein Fibrils into Suprafibrillar Aggregates: Bridging the Nano- and Mesoscale. <i>ACS Nano</i> , 2014, 8, 5543-5551.	14.6	50
60	α -Synuclein Binds to the Inner Membrane of Mitochondria in an α -Helical Conformation. <i>ChemBioChem</i> , 2014, 15, 2499-2502.	2.6	73
61	A Four-Amino Acid Linker between Repeats in the α -Synuclein Sequence Is Important for Fibril Formation. <i>Biochemistry</i> , 2014, 53, 279-281.	2.5	17
62	α -Synuclein oligomers distinctively permeabilize complex model membranes. <i>FEBS Journal</i> , 2014, 281, 2838-2850.	4.7	55
63	Amyloids of Alpha-Synuclein Affect the Structure and Dynamics of Supported Lipid Bilayers. <i>Biophysical Journal</i> , 2014, 106, 2585-2594.	0.5	44
64	Excitation Spectra and Stokes Shift Measurements of Single Organic Dyes at Room Temperature. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3259-3264.	4.6	24
65	Association of α -Synuclein with Lipid Vesicles. Stopped-Flow Kinetics of Concerted Binding and Conformational Change. <i>Biophysical Journal</i> , 2014, 106, 248a.	0.5	0
66	The Formation of Higher Order Structures by the Neuronal Protein Alpha-Synuclein: Self-Assembly Over Multiple Length Scales. <i>Biophysical Journal</i> , 2014, 106, 683a-684a.	0.5	0
67	Elucidating the Aggregation Number of Dopamine-Induced α -Synuclein Oligomeric Assemblies. <i>Biophysical Journal</i> , 2014, 106, 440-446.	0.5	18
68	Protein fibrils as scaffold material for cartilage tissue engineering: effects on cell viability and proliferation. <i>Osteoarthritis and Cartilage</i> , 2014, 22, S488-S489.	1.3	0
69	Using Magnetic Probes to Study Receptor Clustering in Live Cells. <i>Biophysical Journal</i> , 2014, 106, 20a.	0.5	0
70	How Do Lipids Localize in Lewy Bodies?. <i>Biophysical Journal</i> , 2014, 106, 301a.	0.5	0
71	Toward efficient modification of large gold nanoparticles with DNA. , 2014, , .		0
72	Multimodal Fluorescence Imaging Spectroscopy. <i>Methods in Molecular Biology</i> , 2014, 1076, 521-536.	0.9	1

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73	Application of MALDI-TOF mass spectrometry for study on fibrillar and oligomeric aggregates of alpha-synuclein. <i>Biopolymers and Cell</i> , 2014, 30, 190-196.	0.4	1
74	Coming to Grips with Amyloid Oligomers: Single Molecule Photobleaching Approaches. , 2014, , .		0
75	Aggregation and Membrane Interaction of Alpha-Synuclein and Amyloid-Beta by Electron Paramagnetic Resonance. <i>Biophysical Journal</i> , 2013, 104, 52a.	0.5	0
76	Studying T-Cell Co-Receptors with Magnetic Probes. <i>Biophysical Journal</i> , 2013, 104, 500a-501a.	0.5	0
77	Emission enhancement and lifetime modification of phosphorescence on silver nanoparticle aggregates. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15734.	2.8	19
78	Fast, single-step, and surfactant-free oligonucleotide modification of gold nanoparticles using DNA with a positively charged tail. <i>Chemical Communications</i> , 2013, 49, 11400.	4.1	18
79	Blinking statistics of colloidal quantum dots at different excitation wavelengths. <i>RSC Advances</i> , 2013, 3, 17440.	3.6	11
80	Imaging the static dielectric constant in vitro and in living cells by a bioconjugable GFP chromophore analog. <i>Chemical Communications</i> , 2013, 49, 1723.	4.1	18
81	Î±-Synuclein Oligomers: an Amyloid Pore?. <i>Molecular Neurobiology</i> , 2013, 47, 613-621.	4.0	87
82	Intra-laser-cavity microparticle sensing with a dual-wavelength distributed-feedback laser. <i>Laser and Photonics Reviews</i> , 2013, 7, 589-598.	8.7	26
83	Oriented Protein Immobilization using Covalent and Noncovalent Chemistry on a Thiol-Reactive Self-Reporting Surface. <i>Journal of the American Chemical Society</i> , 2013, 135, 3104-3111.	13.7	32
84	Whatâ€™s in a name? Why these proteins are intrinsically disordered. <i>Intrinsically Disordered Proteins</i> , 2013, 1, e24157.	1.9	226
85	Interplay between myosin IIA-mediated contractility and actin network integrity orchestrates podosome composition and oscillations. <i>Nature Communications</i> , 2013, 4, 1412.	12.8	117
86	Can nanophotonics control the Förster resonance energy transfer efficiency?. , 2013, , .		0
87	On-chip microparticle detection and sizing using a dual-wavelength waveguide laser. , 2013, , .		1
88	Size-selective detection in integrated optical interferometric biosensors. <i>Optics Express</i> , 2012, 20, 20934.	3.4	26
89	Molecular Plasticity Regulates Oligomerization and Cytotoxicity of the Multipetide-length Amyloid-Î² Peptide Pool. <i>Journal of Biological Chemistry</i> , 2012, 287, 36732-36743.	3.4	37
90	A comparative analysis of the aggregation behavior of amyloidâ€™ peptide variants. <i>FEBS Letters</i> , 2012, 586, 4088-4093.	2.8	64

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91	Nanophotonic Control of the Förster Resonance Energy Transfer Efficiency. <i>Physical Review Letters</i> , 2012, 109, 203601.	7.8	141
92	Kinetic measurements give new insights into lipid membrane permeabilization by β -synuclein oligomers. <i>Molecular BioSystems</i> , 2012, 8, 338-345.	2.9	38
93	Locally Resolved Membrane Binding Affinity of the N-Terminus of β -Synuclein. <i>Biochemistry</i> , 2012, 51, 3960-3962.	2.5	27
94	Structural model for β -synuclein fibrils derived from high resolution imaging and nanomechanical studies using atomic force microscopy. <i>Soft Matter</i> , 2012, 8, 7215.	2.7	25
95	Silver Nanoparticle Aggregates as Highly Efficient Plasmonic Antennas for Fluorescence Enhancement. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16687-16693.	3.1	77
96	Tri- and Pentamethine Cyanine Dyes for Fluorescent Detection of β -Synuclein Oligomeric Aggregates. <i>Journal of Fluorescence</i> , 2012, 22, 1441-1448.	2.5	30
97	Spatially resolved frequency-dependent elasticity measured with pulsed force microscopy and nanoindentation. <i>Nanoscale</i> , 2012, 4, 2072.	5.6	8
98	A Method for Spatially Resolved Local Intracellular Mechanochemical Sensing and Organelle Manipulation. <i>Biophysical Journal</i> , 2012, 103, 395-404.	0.5	10
99	Nanomechanical properties of single amyloid fibrils. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 243101.	1.8	36
100	Elucidating the Alpha-Synuclein Fibril Fold by Pulsed EPR. <i>Biophysical Journal</i> , 2012, 102, 454a.	0.5	3
101	Patterning perylenes on surfaces using thiol-ene chemistry. <i>Journal of Materials Chemistry</i> , 2012, 22, 16606.	6.7	9
102	Molecular Composition of Substoichiometrically Labeled β -Synuclein Oligomers Determined by Single-Molecule Photobleaching. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8821-8824.	13.8	74
103	Hunting the Chameleon: Structural Conformations of the Intrinsically Disordered Protein Alpha-Synuclein. <i>ChemBioChem</i> , 2012, 13, 761-768.	2.6	44
104	Atomic Force Microscopy under Controlled Conditions Reveals Structure of C-Terminal Region of β -Synuclein in Amyloid Fibrils. <i>ACS Nano</i> , 2012, 6, 5952-5960.	14.6	52
105	Wafer-scale thin encapsulated two-dimensional nanochannels and its application toward visualization of single molecules. <i>Journal of Colloid and Interface Science</i> , 2012, 367, 455-459.	9.4	3
106	Fabrication of cell container arrays with overlaid surface topographies. <i>Biomedical Microdevices</i> , 2012, 14, 95-107.	2.8	40
107	Patterning of Peptide Nucleic Acids Using Reactive Microcontact Printing. <i>Langmuir</i> , 2011, 27, 1536-1542.	3.5	26
108	Interactions of Perylene Bisimide in the One-Dimensional Channels of Zeolite L. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5974-5988.	3.1	53

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109	Spectral Versatility of Fluorescent Proteins Observed on the Single Molecule Level. Springer Series on Fluorescence, 2011, , 217-240.	0.8	0
110	Room temperature excitation spectroscopy of single quantum dots. Beilstein Journal of Nanotechnology, 2011, 2, 516-524.	2.8	10
111	Nanomechanical properties of α -synuclein amyloid fibrils: a comparative study by nanoindentation, harmonic force microscopy, and Peakforce QNM. Nanoscale Research Letters, 2011, 6, 270.	5.7	157
112	Inhibition of α -synuclein aggregation by small heat shock proteins. Proteins: Structure, Function and Bioinformatics, 2011, 79, 2956-2967.	2.6	104
113	Strategies for Patterning Biomolecules with Dip-Pen Nanolithography. Small, 2011, 7, 989-1002.	10.0	101
114	Patterning: Strategies for Patterning Biomolecules with Dip-Pen Nanolithography (Small 8/2011). Small, 2011, 7, 982-982.	10.0	3
115	Direct Evidence of Coexisting Horseshoe and Extended Helix Conformations of Membrane-Bound α -Synuclein. ChemPhysChem, 2011, 12, 267-269.	2.1	61
116	Single-Molecule DNA Force Spectroscopy to Probe Interactions with the Tripeptide Lys-Trp-Lys. ChemPhysChem, 2011, 12, 2545-2548.	2.1	3
117	Dark proteins disturb multichromophore coupling in tetrameric fluorescent proteins. Journal of Biophotonics, 2011, 4, 114-121.	2.3	4
118	Dendritic Ruthenium(II)-Based Dyes Tuneable for Diagnostic or Therapeutic Applications. Chemistry - A European Journal, 2011, 17, 464-467.	3.3	32
119	Microspectroscopic analysis of green fluorescent proteins infiltrated into mesoporous silica nanochannels. Journal of Colloid and Interface Science, 2011, 356, 123-130.	9.4	15
120	Analysis of single quantum-dot mobility inside 1D nanochannel devices. Nanotechnology, 2011, 22, 275201.	2.6	10
121	Nanobiophotonics: Using the nanophotonics toolbox to manipulate biological fluorophores. , 2011, , .		0
122	Integrin-Dependent Activation of the JNK Signaling Pathway by Mechanical Stress. PLoS ONE, 2011, 6, e26182.	2.5	41
123	Biophysical Analysis of Amyloid Formation. , 2011, , 347-359.		1
124	Membrane Interactions of Oligomeric α -Synuclein: Potential Role in Parkinsons Disease. Current Protein and Peptide Science, 2010, 11, 334-342.	1.4	42
125	Studies of Interaction Between Cyanine Dye T-284 and Fibrillar α -Synuclein. Journal of Fluorescence, 2010, 20, 1267-1274.	2.5	12
126	Spatially resolved local intracellular chemical sensing using magnetic particles. Sensors and Actuators B: Chemical, 2010, 148, 531-538.	7.8	10

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127	Visualizing Resonance Energy Transfer in Supramolecular Surface Patterns of Functionalized Quantum Dot Hosts and Organic Dye Guests by Fluorescence Lifetime Imaging. <i>Small</i> , 2010, 6, 2870-2876.	10.0	12
128	Neurotoxicity of Alzheimer's disease A β peptides is induced by small changes in the A β 242 to A β 240 ratio. <i>EMBO Journal</i> , 2010, 29, 3408-3420.	7.8	455
129	Membrane Permeabilization by Oligomeric A β -Synuclein: In Search of the Mechanism. <i>PLoS ONE</i> , 2010, 5, e14292.	2.5	118
130	Force spectroscopy and fluorescence microscopy of dsDNA-YOYO-1 complexes: implications for the structure of dsDNA in the overstretching region. <i>Nucleic Acids Research</i> , 2010, 38, 3423-3431.	14.5	47
131	Pyrylium monolayers as amino-reactive platform. <i>Chemical Communications</i> , 2010, 46, 4193.	4.1	22
132	Long-Range Energy Propagation in Nanometer Arrays of Light Harvesting Antenna Complexes. <i>Nano Letters</i> , 2010, 10, 1450-1457.	9.1	68
133	Microbioreactors for Raman Microscopy of Stromal Cell Differentiation. <i>Analytical Chemistry</i> , 2010, 82, 1844-1850.	6.5	22
134	Protein Immobilization on Ni(II) Ion Patterns Prepared by Microcontact Printing and Dip-Pen Nanolithography. <i>ACS Nano</i> , 2010, 4, 1083-1091.	14.6	31
135	A Stable Lipid-Induced Aggregate of A β -Synuclein. <i>Journal of the American Chemical Society</i> , 2010, 132, 4080-4082.	13.7	44
136	Simultaneous time-resolved measurement of the reaction rates and the refractive index of photopolymerization processes. <i>Applied Optics</i> , 2010, 49, 3316.	2.1	1
137	Photophysical characteristics of green fluorescent proteins embedded in mesoporous silica hosts. , 2010, , .		0
138	The use of fluorescent dyes and probes in surgical oncology. <i>European Journal of Surgical Oncology</i> , 2010, 36, 6-15.	1.0	127
139	Fluorescence Lifetime Spectroscopy and Imaging of Visible Fluorescent Proteins. , 2009, , 147-176.		20
140	Rapid, ultrasensitive detection of microorganisms based on interferometry and lab-on-a-chip nanotechnology. <i>Proceedings of SPIE</i> , 2009, , .	0.8	2
141	Single-molecule spectral dynamics at room temperature. <i>Molecular Physics</i> , 2009, 107, 1923-1942.	1.7	25
142	Controlling fluorescent proteins by manipulating the local density of photonic states. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
143	Modulation of Protein Dimerization by a Supramolecular Host-Guest System. <i>Chemistry - A European Journal</i> , 2009, 15, 8779-8790.	3.3	34
144	Single-Molecule FRET Reveals Structural Heterogeneity of SDS-Bound A β -Synuclein. <i>ChemBioChem</i> , 2009, 10, 436-439.	2.6	55

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145	Single-molecule spectroscopy of fluorescent proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 527-541.	3.7	32
146	A hybrid total internal reflection fluorescence and optical tweezers microscope to study cell adhesion and membrane protein dynamics of single living cells. <i>Journal of Microscopy</i> , 2009, 233, 84-92.	1.8	12
147	Temperature-modulated quenching of quantum dots covalently coupled to chain ends of poly(<i>N</i> -isopropyl acrylamide) brushes on gold. <i>Nanotechnology</i> , 2009, 20, 185501.	2.6	34
148	Expression of Sensitized Eu ³⁺ Luminescence at a Multivalent Interface. <i>Journal of the American Chemical Society</i> , 2009, 131, 12567-12569.	13.7	44
149	FRET Pair Printing of Fluorescent Proteins. <i>Langmuir</i> , 2009, 25, 7019-7024.	3.5	8
150	Lipid bilayer disruption by oligomeric α -synuclein depends on bilayer charge and accessibility of the hydrophobic core. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1271-1278.	2.6	149
151	Tryptophan Fluorescence Reveals Structural Features of α -Synuclein Oligomers. <i>Journal of Molecular Biology</i> , 2009, 394, 826-833.	4.2	99
152	Spectral emission imaging to map photonic properties below the crystal surface of 3D photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 2101.	2.1	3
153	Interaction of Oxazole Yellow Dyes with DNA Studied with Hybrid Optical Tweezers and Fluorescence Microscopy. <i>Biophysical Journal</i> , 2009, 97, 835-843.	0.5	78
154	Multimode microscopy: spectral and lifetime imaging. <i>Journal of the Royal Society Interface</i> , 2009, 6, .	3.4	29
155	Porous Multilayer-Coated AFM Tips for Dip-Pen Nanolithography of Proteins. <i>Journal of the American Chemical Society</i> , 2009, 131, 7526-7527.	13.7	36
156	Explorations of the application of cyanine dyes for quantitative α -synuclein detection. <i>Biotechnic and Histochemistry</i> , 2009, 84, 55-61.	1.3	18
157	Manipulation of the local density of photonic states to elucidate fluorescent protein emission rates. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 2525.	2.8	24
158	Multiparameter single molecule spectroscopy gives insight into the complex photophysics of fluorescence energy transfer (FRET) coupled biosystems. , 2009, , .		3
159	A Fast and Sensitive Integrated Young Interferometer Biosensor. <i>Integrated Analytical Systems</i> , 2009, , 265-295.	0.4	2
160	Controlling Fluorescent Proteins by Manipulating the Local Density of Photonic States. , 2009, , .		0
161	Intracellular manipulation of chromatin using magnetic nanoparticles. <i>Chromosome Research</i> , 2008, 16, 511-522.	2.2	40
162	Color Control of Natural Fluorescent Proteins by Photonic Crystals. <i>Small</i> , 2008, 4, 492-496.	10.0	49

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163	Spin-Label EPR on β -Synuclein Reveals Differences in the Membrane Binding Affinity of the Two Antiparallel Helices. <i>ChemBioChem</i> , 2008, 9, 2411-2416.	2.6	57
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