

# Vinod Subramaniam

## List of Publications by Year in descending order

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253  
papers

11,822  
citations

22153

59  
h-index

37204

96  
g-index

261  
all docs

261  
docs citations

261  
times ranked

14640  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dependence of $\alpha$ -Synuclein Aggregate Morphology on Solution Conditions. <i>Journal of Molecular Biology</i> , 2002, 322, 383-393.	4.2	487
2	Neurotoxicity of Alzheimer's disease A $\beta$ peptides is induced by small changes in the A $\beta$ <sup>242</sup> to A $\beta$ <sup>240</sup> ratio. <i>EMBO Journal</i> , 2010, 29, 3408-3420.	7.8	455
3	Impact of the Acidic C-Terminal Region Comprising Amino Acids 109~140 on $\alpha$ -Synuclein Aggregation in Vitro. <i>Biochemistry</i> , 2004, 43, 16233-16242.	2.5	317
4	Photochromicity and Fluorescence Lifetimes of Green Fluorescent Protein. <i>Journal of Physical Chemistry B</i> , 1999, 103, 8612-8617.	2.6	308
5	Fast, Ultrasensitive Virus Detection Using a Young Interferometer Sensor. <i>Nano Letters</i> , 2007, 7, 394-397.	9.1	260
6	NMR of $\alpha$ -synuclein-polyamine complexes elucidates the mechanism and kinetics of induced aggregation. <i>EMBO Journal</i> , 2004, 23, 2039-2046.	7.8	231
7	What's in a name? Why these proteins are intrinsically disordered. <i>Intrinsically Disordered Proteins</i> , 2013, 1, e24157.	1.9	226
8	Dynamic Fluorescence Anisotropy Imaging Microscopy in the Frequency Domain (rFLIM). <i>Biophysical Journal</i> , 2002, 83, 1631-1649.	0.5	201
9	One- and Two-Photon Excited Fluorescence Lifetimes and Anisotropy Decays of Green Fluorescent Proteins. <i>Biophysical Journal</i> , 2000, 78, 1589-1598.	0.5	181
10	Identification of Single Molecules in Aqueous Solution by Time-Resolved Fluorescence Anisotropy. <i>Journal of Physical Chemistry A</i> , 1999, 103, 331-336.	2.5	170
11	Rapid Self-assembly of $\alpha$ -Synuclein Observed by In Situ Atomic Force Microscopy. <i>Journal of Molecular Biology</i> , 2004, 340, 127-139.	4.2	165
12	Cellular Polyamines Promote the Aggregation of $\alpha$ -Synuclein. <i>Journal of Biological Chemistry</i> , 2003, 278, 3235-3240.	3.4	161
13	Nanomechanical properties of $\alpha$ -synuclein amyloid fibrils: a comparative study by nanoindentation, harmonic force microscopy, and Peakforce QNM. <i>Nanoscale Research Letters</i> , 2011, 6, 270.	5.7	157
14	EGFP and DsRed expressing cultures of Escherichia coli imaged by confocal, two-photon and fluorescence lifetime microscopy. <i>FEBS Letters</i> , 2000, 479, 131-135.	2.8	156
15	Lipid bilayer disruption by oligomeric $\alpha$ -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
16	Combined AFM and confocal fluorescence microscope for applications in bio-nanotechnology. <i>Journal of Microscopy</i> , 2005, 217, 109-116.	1.8	142
17	SNARE assembly and disassembly exhibit a pronounced hysteresis. <i>Nature Structural Biology</i> , 2002, 9, 144-151.	9.7	141
18	Nanophotonic Control of the Förster Resonance Energy Transfer Efficiency. <i>Physical Review Letters</i> , 2012, 109, 203601.	7.8	141

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19	The use of fluorescent dyes and probes in surgical oncology. <i>European Journal of Surgical Oncology</i> , 2010, 36, 6-15.	1.0	127
20	Refractive Index Sensing of Green Fluorescent Proteins in Living Cells Using Fluorescence Lifetime Imaging Microscopy. <i>Biophysical Journal</i> , 2008, 94, L67-L69.	0.5	124
21	Micromechanical bending of single collagen fibrils using atomic force microscopy. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 82A, 160-168.	4.0	123
22	Three photoconvertible forms of green fluorescent protein identified by spectral hole-burning. <i>Nature Structural Biology</i> , 1999, 6, 706-706.	9.7	121
23	Covalent Microcontact Printing of Proteins for Cell Patterning. <i>Chemistry - A European Journal</i> , 2006, 12, 6290-6297.	3.3	118
24	Membrane Permeabilization by Oligomeric $\beta$ -Synuclein: In Search of the Mechanism. <i>PLoS ONE</i> , 2010, 5, e14292.	2.5	118
25	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
26	Fluorescence lifetime imaging: multi-point calibration, minimum resolvable differences, and artifact suppression. <i>Cytometry</i> , 2001, 43, 248-260.	1.8	112
27	Evidence for Intramolecular Antiparallel Beta-Sheet Structure in Alpha-Synuclein Fibrils from a Combination of Two-Dimensional Infrared Spectroscopy and Atomic Force Microscopy. <i>Scientific Reports</i> , 2017, 7, 41051.	3.3	111
28	Generation of Alternative Ultrabithorax Isoforms and Stepwise Removal of a Large Intron by Resplicing at Exon-Exon Junctions. <i>Molecular Cell</i> , 1998, 2, 787-796.	9.7	109
29	Antiparallel Arrangement of the Helices of Vesicle-Bound $\beta$ -Synuclein. <i>Journal of the American Chemical Society</i> , 2008, 130, 7796-7797.	13.7	106
30	Three photoconvertible forms of green fluorescent protein identified by spectral hole-burning. <i>Nature Structural Biology</i> , 1999, 6, 557-560.	9.7	105
31	Inhibition of $\beta$ -synuclein aggregation by small heat shock proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 2956-2967.	2.6	104
32	Strategies for Patterning Biomolecules with Dip-Pen Nanolithography. <i>Small</i> , 2011, 7, 989-1002.	10.0	101
33	Photophysics and optical switching in green fluorescent protein mutants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 2974-2978.	7.1	100
34	The nature of fluorescence emission in the red fluorescent protein DsRed, revealed by single-molecule detection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 14392-14397.	7.1	100
35	Tryptophan Fluorescence Reveals Structural Features of $\beta$ -Synuclein Oligomers. <i>Journal of Molecular Biology</i> , 2009, 394, 826-833.	4.2	99
36	Quantitative Morphological Analysis Reveals Ultrastructural Diversity of Amyloid Fibrils from $\beta$ -Synuclein Mutants. <i>Biophysical Journal</i> , 2006, 91, L96-L98.	0.5	97

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37	Time, Space, and Spectrally Resolved Studies on J-Aggregate Interactions in Zeolite L Nanochannels. <i>Journal of the American Chemical Society</i> , 2008, 130, 10970-10976.	13.7	94
38	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
39	Sensitive Electrochemical Detection of Native and Aggregated $\alpha$ -Synuclein Protein Involved in Parkinson's Disease. <i>Electroanalysis</i> , 2004, 16, 1172-1181.	2.9	88
40	$\alpha$ -Synuclein Oligomers: an Amyloid Pore?. <i>Molecular Neurobiology</i> , 2013, 47, 613-621.	4.0	87
41	Ultrafast dynamics in the excited state of green fluorescent protein (wt) studied by frequency-resolved femtosecond pump-probe spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 1072-1081.	2.8	83
42	The Impact of N-terminal Acetylation of $\alpha$ -Synuclein on Phospholipid Membrane Binding and Fibril Structure. <i>Journal of Biological Chemistry</i> , 2016, 291, 21110-21122.	3.4	81
43	Direct Observation of Nanomechanical Properties of Chromatin in Living Cells. <i>Nano Letters</i> , 2007, 7, 1424-1427.	9.1	78
44	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
45	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
46	C-Terminal Truncated $\alpha$ -Synuclein Fibrils Contain Strongly Twisted $\beta$ -Sheets. <i>Journal of the American Chemical Society</i> , 2017, 139, 15392-15400.	13.7	77
47	Molecular Composition of Substoichiometrically Labeled $\alpha$ -Synuclein Oligomers Determined by Single-Molecule Photobleaching. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8821-8824.	13.8	74
48	$\alpha$ -Synuclein Binds to the Inner Membrane of Mitochondria in an $\alpha$ -Helical Conformation. <i>ChemBioChem</i> , 2014, 15, 2499-2502.	2.6	73
49	CD-Tagging: A New Approach to Gene and Protein Discovery and Analysis. <i>BioTechniques</i> , 1996, 20, 896-904.	1.8	71
50	Double-stranded DNA Stimulates the Fibrillation of $\alpha$ -Synuclein in vitro and is Associated with the Mature Fibrils: An Electron Microscopy Study. <i>Journal of Molecular Biology</i> , 2004, 344, 929-938.	4.2	68
51	Membrane binding of oligomeric $\alpha$ -synuclein depends on bilayer charge and packing. <i>FEBS Letters</i> , 2008, 582, 3788-3792.	2.8	68
52	Nanometer Arrays of Functional Light Harvesting Antenna Complexes by Nanoimprint Lithography and Host-Guest Interactions. <i>Journal of the American Chemical Society</i> , 2008, 130, 8892-8893.	13.7	68
53	Long-Range Energy Propagation in Nanometer Arrays of Light Harvesting Antenna Complexes. <i>Nano Letters</i> , 2010, 10, 1450-1457.	9.1	68
54	Solubilization of lipids and lipid phases by the styrene-maleic acid copolymer. <i>European Biophysics Journal</i> , 2017, 46, 91-101.	2.2	66

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55	Cyanine dye-protein interactions: Looking for fluorescent probes for amyloid structures. <i>Journal of Proteomics</i> , 2007, 70, 727-733.	2.4	65
56	Assembly of Bionanostructures onto $\beta$ -Cyclodextrin Molecular Printboards for Antibody Recognition and Lymphocyte Cell Counting. <i>Journal of the American Chemical Society</i> , 2008, 130, 6964-6973.	13.7	65
57	A comparative analysis of the aggregation behavior of amyloid $\beta$ peptide variants. <i>FEBS Letters</i> , 2012, 586, 4088-4093.	2.8	64
58	Concentration Dependence of $\beta$ -Synuclein Fibril Length Assessed by Quantitative Atomic Force Microscopy and Statistical-Mechanical Theory. <i>Biophysical Journal</i> , 2008, 95, 4871-4878.	0.5	63
59	Observation of near-band-gap luminescence from boron nitride films. <i>Applied Physics Letters</i> , 1994, 65, 1251-1253.	3.3	62
60	Specific fluorescent detection of fibrillar $\beta$ -synuclein using mono- and trimethine cyanine dyes. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 1452-1459.	3.0	62
61	Direct Evidence of Coexisting Horseshoe and Extended Helix Conformations of Membrane-Bound Alpha-Synuclein. <i>ChemPhysChem</i> , 2011, 12, 267-269.	2.1	61
62	Predicting the Loading of Virus-Like Particles with Fluorescent Proteins. <i>Biomacromolecules</i> , 2014, 15, 558-563.	5.4	60
63	Nano-mechanical tuning and imaging of a photonic crystal micro-cavity resonance. <i>Optics Express</i> , 2006, 14, 8745.	3.4	59
64	Tissue transglutaminase modulates $\beta$ -synuclein oligomerization. <i>Protein Science</i> , 2008, 17, 1395-1402.	7.6	59
65	Photophysics and optical switching in green fluorescent protein mutants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 2974-2978.	7.1	59
66	Creating Nanopatterns of His-Tagged Proteins on Surfaces by Nanoimprint Lithography Using Specific NiNTA-Histidine Interactions. <i>Small</i> , 2007, 3, 1584-1592.	10.0	58
67	Spin-Label EPR on $\beta$ -Synuclein Reveals Differences in the Membrane Binding Affinity of the Two Antiparallel Helices. <i>ChemBioChem</i> , 2008, 9, 2411-2416.	2.6	57
68	Force detection in optical tweezers using backscattered light. <i>Optics Express</i> , 2005, 13, 1113.	3.4	56
69	Single-Molecule FRET Reveals Structural Heterogeneity of SDS-Bound $\beta$ -Synuclein. <i>ChemBioChem</i> , 2009, 10, 436-439.	2.6	55
70	$\beta$ -Synuclein oligomers distinctively permeabilize complex model membranes. <i>FEBS Journal</i> , 2014, 281, 2838-2850.	4.7	55
71	Directed Formation of Micro- and Nanoscale Patterns of Functional Light-Harvesting LH2 Complexes. <i>Journal of the American Chemical Society</i> , 2007, 129, 14625-14631.	13.7	54
72	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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73	Atomic Force Microscopy under Controlled Conditions Reveals Structure of C-Terminal Region of $\hat{\pm}$ -Synuclein in Amyloid Fibrils. ACS Nano, 2012, 6, 5952-5960.	14.6	52
74	Polymorph-specific distribution of binding sites determines thioflavin-T fluorescence intensity in $\hat{\pm}$ -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
75	Measurement of mode field profiles and bending and transition losses in curved optical channel waveguides. Journal of Lightwave Technology, 1997, 15, 990-997.	4.6	51
76	Self-Assembly of Protein Fibrils into Suprafibrillar Aggregates: Bridging the Nano- and Mesoscale. ACS Nano, 2014, 8, 5543-5551.	14.6	50
77	Oligomerization of DsRed is required for the generation of a functional red fluorescent chromophore. FEBS Letters, 2002, 525, 13-19.	2.8	49
78	Color Control of Natural Fluorescent Proteins by Photonic Crystals. Small, 2008, 4, 492-496.	10.0	49
79	DNA bending due to specific p53 and p53 core domain-DNA interactions visualized by electron microscopy. Journal of Molecular Biology, 1999, 294, 1015-1026.	4.2	48
80	Force spectroscopy and fluorescence microscopy of dsDNA-YOYO-1 complexes: implications for the structure of dsDNA in the overstretching region. Nucleic Acids Research, 2010, 38, 3423-3431.	14.5	47
81	Phosphorescence Reveals a Continued Slow Annealing of the Protein Core following Reactivation of Escherichia coli Alkaline Phosphatase. Biochemistry, 1995, 34, 1133-1136.	2.5	45
82	Expression of Sensitized Eu <sup>3+</sup> Luminescence at a Multivalent Interface. Journal of the American Chemical Society, 2009, 131, 12567-12569.	13.7	44
83	A Stable Lipid-Induced Aggregate of $\hat{\pm}$ -Synuclein. Journal of the American Chemical Society, 2010, 132, 4080-4082.	13.7	44
84	Hunting the Chameleon: Structural Conformations of the Intrinsically Disordered Protein Alpha $\hat{\pm}$ Synuclein. ChemBioChem, 2012, 13, 761-768.	2.6	44
85	Amyloids of Alpha-Synuclein Affect the Structure and Dynamics of Supported Lipid Bilayers. Biophysical Journal, 2014, 106, 2585-2594.	0.5	44
86	Controlling Protein Surface Orientation by Strategic Placement of Oligo-Histidine Tags. ACS Nano, 2017, 11, 9068-9083.	14.6	44
87	Fibril Breaking Accelerates $\hat{\pm}$ -Synuclein Fibrillization. Journal of Physical Chemistry B, 2015, 119, 1912-1918.	2.6	43
88	Oligomers of Parkinson's Disease-Related $\hat{\pm}$ -Synuclein Mutants Have Similar Structures but Distinctive Membrane Permeabilization Properties. Biochemistry, 2015, 54, 3142-3150.	2.5	43
89	Anchoring of Histidine-Tagged Proteins to Molecular Printboards: Self-assembly, Thermodynamic Modeling, and Patterning. Chemistry - A European Journal, 2008, 14, 2044-2051.	3.3	42
90	Membrane Interactions of Oligomeric Alpha-Synuclein: Potential Role in Parkinsons Disease. Current Protein and Peptide Science, 2010, 11, 334-342.	1.4	42

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91	Scanning force microscopy of the complexes of p53 core domain with supercoiled DNA 1 Edited by M. Yaniv. <i>Journal of Molecular Biology</i> , 2000, 299, 585-592.	4.2	41
92	Distinct Mechanisms Determine $\alpha$ -Synuclein Fibril Morphology during Growth and Maturation. <i>ACS Chemical Neuroscience</i> , 2017, 8, 538-547.	3.5	41
93	Integrin-Dependent Activation of the JNK Signaling Pathway by Mechanical Stress. <i>PLoS ONE</i> , 2011, 6, e26182.	2.5	41
94	Intracellular manipulation of chromatin using magnetic nanoparticles. <i>Chromosome Research</i> , 2008, 16, 511-522.	2.2	40
95	Fabrication of cell container arrays with overlaid surface topographies. <i>Biomedical Microdevices</i> , 2012, 14, 95-107.	2.8	40
96	Room Temperature Spectrally Resolved Single-Molecule Spectroscopy Reveals New Spectral Forms and Photophysical Versatility of Aequorea Green Fluorescent Protein Variants. <i>Biophysical Journal</i> , 2004, 87, 4172-4179.	0.5	39
97	Membrane interactions and fibrillization of $\alpha$ -synuclein play an essential role in membrane disruption. <i>FEBS Letters</i> , 2014, 588, 4457-4463.	2.8	39
98	Kinetic measurements give new insights into lipid membrane permeabilization by $\alpha$ -synuclein oligomers. <i>Molecular BioSystems</i> , 2012, 8, 338-345.	2.9	38
99	Molecular Plasticity Regulates Oligomerization and Cytotoxicity of the Multipetide-length Amyloid- $\beta^2$ Peptide Pool. <i>Journal of Biological Chemistry</i> , 2012, 287, 36732-36743.	3.4	37
100	Resonance Energy Transfer in a Calcium Concentration-Dependent Cameleon Protein. <i>Biophysical Journal</i> , 2002, 83, 3499-3506.	0.5	36
101	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
102	Nanomechanical properties of single amyloid fibrils. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 243101.	1.8	36
103	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
104	Binding of p53 and its core domain to supercoiled DNA. <i>FEBS Journal</i> , 2001, 268, 573-581.	0.2	34
105	Modulation of Protein Dimerization by a Supramolecular Host-Guest System. <i>Chemistry - A European Journal</i> , 2009, 15, 8779-8790.	3.3	34
106	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
107	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
108	Solution conditions define morphological homogeneity of $\alpha$ -synuclein fibrils. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 2127-2134.	2.3	34

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109	Direct Observation of $\alpha$ -Synuclein Amyloid Aggregates in Endocytic Vesicles of Neuroblastoma Cells. PLoS ONE, 2016, 11, e0153020.	2.5	34
110	Picosecond Multiphoton Scanning Near-Field Optical Microscopy. Biophysical Journal, 1999, 76, 1092-1100.	0.5	32
111	Amyloid fibrils from the mammalian protein prothymosin $\alpha$ . FEBS Letters, 2002, 517, 37-40.	2.8	32
112	Single-molecule spectroscopy of fluorescent proteins. Analytical and Bioanalytical Chemistry, 2009, 393, 527-541.	3.7	32
113	Dendritic Ruthenium(II)-Based Dyes Tuneable for Diagnostic or Therapeutic Applications. Chemistry - A European Journal, 2011, 17, 464-467.	3.3	32
114	Oriented Protein Immobilization using Covalent and Noncovalent Chemistry on a Thiol-Reactive Self-Reporting Surface. Journal of the American Chemical Society, 2013, 135, 3104-3111.	13.7	32
115	Local changes in the catalytic site of mammalian histidine decarboxylase can affect its global conformation and stability. FEBS Journal, 2003, 270, 4376-4387.	0.2	31
116	Protein Immobilization on Ni(II) Ion Patterns Prepared by Microcontact Printing and Dip-Pen Nanolithography. ACS Nano, 2010, 4, 1083-1091.	14.6	31
117	[6] Photophysics of green and red fluorescent proteins: Implications for quantitative microscopy. Methods in Enzymology, 2003, 360, 178-201.	1.0	30
118	Tri- and Pentamethine Cyanine Dyes for Fluorescent Detection of $\alpha$ -Synuclein Oligomeric Aggregates. Journal of Fluorescence, 2012, 22, 1441-1448.	2.5	30
119	Functionally different $\alpha$ -synuclein inclusions yield insight into Parkinson's disease pathology. Scientific Reports, 2016, 6, 23116.	3.3	30
120	Functional differences between Ultrabithorax protein isoforms in Drosophila melanogaster: evidence from elimination, substitution and ectopic expression of specific isoforms.. Genetics, 1994, 136, 979-991.	2.9	30
121	Continuous Wave Two-Photon Scanning Near-Field Optical Microscopy. Biophysical Journal, 1998, 75, 1513-1521.	0.5	29
122	New Insights into the Photophysics of DsRed by Multiparameter Spectroscopy on Single Proteins. Journal of Physical Chemistry B, 2008, 112, 7669-7674.	2.6	29
123	Multimode microscopy: spectral and lifetime imaging. Journal of the Royal Society Interface, 2009, 6, .	3.4	29
124	Cell biological applications of scanning near-field optical microscopy (SNOM). Cellular and Molecular Biology, 1998, 44, 689-700.	0.9	29
125	Fluorescence resonance energy transfer detected by scanning near-field optical microscopy. Journal of Microscopy, 1999, 194, 448-454.	1.8	28
126	Molecular Beacons: Nucleic Acid Hybridization and Emerging Applications. Journal of Biomolecular Structure and Dynamics, 2001, 19, 497-504.	3.5	28



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127	Classification of Dynamical Diffusion States in Single Molecule Tracking Microscopy. <i>Biophysical Journal</i> , 2014, 107, 588-598.	0.5	28
128	Alpha-Synuclein Disease Mutations Are Structurally Defective and Locally Affect Membrane Binding. <i>Journal of the American Chemical Society</i> , 2017, 139, 4254-4257.	13.7	28
129	Directed assembly of functional light harvesting antenna complexes onto chemically patterned surfaces. <i>Nanotechnology</i> , 2008, 19, 025101.	2.6	27
130	Locally Resolved Membrane Binding Affinity of the N-Terminus of $\hat{\alpha}$ -Synuclein. <i>Biochemistry</i> , 2012, 51, 3960-3962.	2.5	27
131	Red-shifted mutants of green fluorescent protein: reversible photoconversions studied by hole-burning and high-resolution spectroscopy. <i>Chemical Physics</i> , 2002, 275, 109-121.	1.9	26
132	Patterning of Peptide Nucleic Acids Using Reactive Microcontact Printing. <i>Langmuir</i> , 2011, 27, 1536-1542.	3.5	26
133	Size-selective detection in integrated optical interferometric biosensors. <i>Optics Express</i> , 2012, 20, 20934.	3.4	26
134	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
135	Two distinct $\hat{\beta}$ -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
136	Conformational Compatibility Is Essential for Heterologous Aggregation of $\hat{\alpha}$ -Synuclein. <i>ACS Chemical Neuroscience</i> , 2016, 7, 719-727.	3.5	26
137	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
138	Single-molecule spectral dynamics at room temperature. <i>Molecular Physics</i> , 2009, 107, 1923-1942.	1.7	25
139	Structural model for $\hat{\alpha}$ -synuclein fibrils derived from high resolution imaging and nanomechanical studies using atomic force microscopy. <i>Soft Matter</i> , 2012, 8, 7215.	2.7	25
140	In vitro renaturation of bovine $\hat{\beta}$ -lactoglobulin A leads to a biologically active but incompletely refolded state. <i>Protein Science</i> , 1996, 5, 2089-2094.	7.6	24
141	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
142	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
143	Exogenous $\hat{\alpha}$ -synuclein hinders synaptic communication in cultured cortical primary rat neurons. <i>PLoS ONE</i> , 2018, 13, e0193763.	2.5	24
144	Single Oligomer Spectra Probe Chromophore Nanoenvironments of Tetrameric Fluorescent Proteins. <i>Journal of the American Chemical Society</i> , 2006, 128, 8664-8670.	13.7	23

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145	Pyrylium monolayers as amino-reactive platform. <i>Chemical Communications</i> , 2010, 46, 4193.	4.1	22
146	Microbioreactors for Raman Microscopy of Stromal Cell Differentiation. <i>Analytical Chemistry</i> , 2010, 82, 1844-1850.	6.5	22
147	Î±-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
148	Membrane-Bound Alpha Synuclein Clusters Induce Impaired Lipid Diffusion and Increased Lipid Packing. <i>Biophysical Journal</i> , 2016, 111, 2440-2449.	0.5	21
149	Resonance CARS Study of the Structure of "Green" and "Red" Chromophores within the Red Fluorescent Protein DsRed. <i>Journal of the American Chemical Society</i> , 2002, 124, 10992-10993.	13.7	20
150	Biofunctionalized Lipid-Polymer Hybrid Nanocontainers with Controlled Permeability. <i>Nano Letters</i> , 2008, 8, 1105-1110.	9.1	20
151	Fluorescence Lifetime Spectroscopy and Imaging of Visible Fluorescent Proteins. , 2009, , 147-176.		20
152	Direct Visualization of Model Membrane Remodeling by Î±-Synuclein Fibrillization. <i>ChemPhysChem</i> , 2017, 18, 1620-1626.	2.1	20
153	Aromatic Amino Acids Are Critical for Stability of the Bicoid Homeodomain. <i>Journal of Biological Chemistry</i> , 2001, 276, 21506-21511.	3.4	19
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