Andrey S Klymchenko

List of Publications by Year
in descending order

259 papers	14,342 citations	16451 64 h-index	27406 106 g-index
272 all docs	272 docs citations	272 times ranked	12466 citing authors

#	Article	IF	Citations
1	Solvatochromic and Fluorogenic Dyes as Environment-Sensitive Probes: Design and Biological Applications. Accounts of Chemical Research, 2017, 50, 366-375.	15.6	848
2	Fluorescent Polymer Nanoparticles Based on Dyes: Seeking Brighter Tools for Bioimaging. Small, 2016, 12, 1968-1992.	10.0	487
3	Fluorescent Probes for Lipid Rafts: From Model Membranes to Living Cells. Chemistry and Biology, 2014, 21, 97-113.	6.0	425
4	Switchable Nile Red-Based Probe for Cholesterol and Lipid Order at the Outer Leaflet of Biomembranes. Journal of the American Chemical Society, 2010, 132, 4907-4916.	13.7	347
5	Monitoring Biophysical Properties of Lipid Membranes by Environment-Sensitive Fluorescent Probes. Biophysical Journal, 2009, 96, 3461-3470.	0.5	335
6	Fluorescent Biomembrane Probe for Ratiometric Detection of Apoptosis. Journal of the American Chemical Society, 2007, 129, 2187-2193.	13.7	305
7	Ultrabright and Fluorogenic Probes for Multicolor Imaging and Tracking of Lipid Droplets in Cells and Tissues. Journal of the American Chemical Society, 2018, 140, 5401-5411.	13.7	294
8	Multiparametric probing of intermolecular interactions with fluorescent dye exhibiting excited state intramolecular proton transfer. Physical Chemistry Chemical Physics, 2003, 5, 461-468.	2.8	290
9	Electrochromic Modulation of Excited-State Intramolecular Proton Transfer:Â The New Principle in Design of Fluorescence Sensors. Journal of the American Chemical Society, 2002, 124, 12372-12379.	13.7	261
10	Fluorene Analogues of Prodan with Superior Fluorescence Brightness and Solvatochromism. Journal of Physical Chemistry Letters, 2010, 1, 616-620.	4.6	199
11	Recent Advances in Fluorescent Probes for Lipid Droplets. Materials, 2018, 11, 1768.	2.9	190
12	Collective fluorescence switching of counterion-assembled dyes in polymer nanoparticles. Nature Communications, 2014, 5, 4089.	12.8	161
13	Studying the Fate of Tumor Extracellular Vesicles at High Spatiotemporal Resolution Using the Zebrafish Embryo. Developmental Cell, 2019, 48, 554-572.e7.	7.0	160
14	Targeted Solvatochromic Fluorescent Probes for Imaging Lipid Order in Organelles under Oxidative and Mechanical Stress. Journal of the American Chemical Society, 2021, 143, 912-924.	13.7	160
15	Picosecond Time-Resolved Fluorescence Studies Are Consistent with Reversible Excited-State Intramolecular Proton Transfer in 4â€˜-(Dialkylamino)-3-hydroxyflavones. Journal of Physical Chemistry A, 2003, 107, 9522-9529.	2.5	150
16	Novel Two-Band Ratiometric Fluorescence Probes with Different Location and Orientation in Phospholipid Membranes. Chemistry and Biology, 2002, 9, 1199-1208.	6.0	149
17	Modulation of the solvent-dependent dual emission in 3-hydroxychromones by substituents. New Journal of Chemistry, 2003, 27, 1336.	2.8	148
18	Ultrasensitive two-color fluorescence probes for dipole potential in phospholipid membranes. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11219-11224.	7.1	143

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19	Dynamics of Intermolecular Hydrogen Bonds in the Excited States of 4â€²-Dialkylamino-3-hydroxyflavones. On the Pathway to an Ideal Fluorescent Hydrogen Bonding Sensor. Journal of Physical Chemistry A, 2004, 108, 8151-8159.	2.5	139
20	Liquid Ordered and Gel Phases of Lipid Bilayers: Fluorescent Probes Reveal Close Fluidity but Different Hydration. Biophysical Journal, 2008, 95, 1217-1225.	0.5	138
21	Bimodal Distribution and Fluorescence Response of Environment-Sensitive Probes in Lipid Bilayers. Biophysical Journal, 2004, 86, 2929-2941.	0.5	137
22	Bright and photostable push-pull pyrene dye visualizes lipid order variation between plasma and intracellular membranes. Scientific Reports, 2016, 6, 18870.	3.3	137
23	Highly lipophilic fluorescent dyes in nano-emulsions: towards bright non-leaking nano-droplets. RSC Advances, 2012, 2, 11876.	3.6	133
24	Giant light-harvesting nanoantenna for single-molecule detection in ambient light. Nature Photonics, 2017, 11, 657-663.	31.4	133
25	MemBright: A Family of Fluorescent Membrane Probes for Advanced Cellular Imaging and Neuroscience. Cell Chemical Biology, 2019, 26, 600-614.e7.	5.2	128
26	DNA-Functionalized Dye-Loaded Polymeric Nanoparticles: Ultrabright FRET Platform for Amplified Detection of Nucleic Acids. Journal of the American Chemical Society, 2018, 140, 10856-10865.	13.7	119
27	Elimination of the Hydrogen Bonding Effect on the Solvatochromism of 3-Hydroxyflavones. Journal of Physical Chemistry A, 2003, 107, 4211-4216.	2.5	113
28	Ultrasensitive fluorescent probe for the hydrophobic range of solvent polarities. Analytica Chimica Acta, 2002, 464, 273-287.	5.4	112
29	Switchable Solvatochromic Probes for Liveâ€Cell Superâ€resolution Imaging of Plasma Membrane Organization. Angewandte Chemie - International Edition, 2019, 58, 14920-14924.	13.8	110
30	Asymmetric GUVs Prepared by MÎ²CD-Mediated Lipid Exchange: An FCS Study. Biophysical Journal, 2011, 100, L1-L3.	0.5	109
31	A 3-hydroxychromone with dramatically improved fluorescence properties. Tetrahedron Letters, 2001, 42, 7967-7970.	1.4	107
32	Charge-Controlled Nanoprecipitation as a Modular Approach to Ultrasmall Polymer Nanocarriers: Making Bright and Stable Nanoparticles. ACS Nano, 2015, 9, 5104-5116.	14.6	107
33	Virusâ€Sized DNA Nanoparticles for Gene Delivery Based on Micelles of Cationic Calixarenes. Chemistry - A European Journal, 2011, 17, 5526-5538.	3.3	100
34	Probing Polarity and Heterogeneity of Lipid Droplets in Live Cells Using a Pushâ€“Pull Fluorophore. Analytical Chemistry, 2019, 91, 1928-1935.	6.5	100
35	Simultaneous probing of hydration and polarity of lipid bilayers with 3-hydroxyflavone fluorescent dyes. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1665, 6-19.	2.6	96
36	Fluorescent Polymer Nanoparticles for Cell Barcoding In Vitro and In Vivo. Small, 2017, 13, 1701582.	10.0	95

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37	Solvatochromic Near-Infrared Probe for Polarity Mapping of Biomembranes and Lipid Droplets in Cells under Stress. Journal of Physical Chemistry Letters, 2019, 10, 2414-2421.	4.6	95
38	Probing AOT Reverse Micelles with Two-Color Fluorescence Dyes Based on 3-Hydroxychromone. Langmuir, 2002, 18, 5637-5639.	3.5	94
39	Fighting Aggregationâ€Caused Quenching and Leakage of Dyes in Fluorescent Polymer Nanoparticles: Universal Role of Counterion. Chemistry - an Asian Journal, 2019, 14, 836-846.	3.3	92
40	A dimerization-based fluorogenic dye-aptamer module for RNA imaging in live cells. Nature Chemical Biology, 2020, 16, 69-76.	8.0	89
41	3-Hydroxychromone dyes exhibiting excited-state intramolecular proton transfer in water with efficient two-band fluorescence. New Journal of Chemistry, 2004, 28, 687.	2.8	88
42	Excited-State Intramolecular Proton Transfer Distinguishes Microenvironments in Single- And Double-Stranded DNA. Journal of Physical Chemistry B, 2008, 112, 12050-12055.	2.6	88
43	Fluorogenic Squaraine Dimers with Polarity-Sensitive Folding As Bright Far-Red Probes for Background-Free Bioimaging. Journal of the American Chemical Society, 2015, 137, 405-412.	13.7	87
44	Integrity of lipid nanocarriers in bloodstream and tumor quantified by near-infrared ratiometric FRET imaging in living mice. Journal of Controlled Release, 2016, 236, 57-67.	9.9	87
45	Conjugation of squalene to gemcitabine as unique approach exploiting endogenous lipoproteins for drug delivery. Nature Communications, 2017, 8, 15678.	12.8	86
46	Multiparametric Color-Changing Fluorescence Probes. Journal of Fluorescence, 2003, 13, 291-295.	2.5	84
47	A Universal Nucleoside with Strong Two-Band Switchable Fluorescence and Sensitivity to the Environment for Investigating DNA Interactions. Journal of the American Chemical Society, 2012, 134, 10209-10213.	13.7	83
48	Dipolar 3-methoxychromones as bright and highly solvatochromic fluorescent dyes. Physical Chemistry Chemical Physics, 2012, 14, 2292.	2.8	81
49	Fluorescent Environment-Sensitive Dyes as Reporters of Biomolecular Interactions. Progress in Molecular Biology and Translational Science, 2013, 113, 35-58.	1.7	81
50	Labeling nanoparticles: Dye leakage and altered cellular uptake. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 760-766.	1.5	80
51	Pushâ€“pull dioxaborine as fluorescent molecular rotor: far-red fluorogenic probe for ligandâ€“receptor interactions. Journal of Materials Chemistry C, 2016, 4, 3002-3009.	5.5	77
52	Two-color fluorescent probes for imaging the dipole potential of cell plasma membranes. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1712, 128-136.	2.6	76
53	Liquid ordered phase in cell membranes evidenced by a hydration-sensitive probe: Effects of cholesterol depletion and apoptosis. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 1436-1443.	2.6	75
54	Lightâ€Harvesting Nanoparticle Probes for FRETâ€Based Detection of Oligonucleotides with Singleâ€Molecule Sensitivity. Angewandte Chemie - International Edition, 2020, 59, 6811-6818.	13.8	75

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55	Fluorinated counterion-enhanced emission of rhodamine aggregates: ultrabright nanoparticles for bioimaging and light-harvesting. Nanoscale, 2015, 7, 18198-18210.	5.6	74
56	Thermodynamically Stable Dispersions of Quantum Dots in a Nematic Liquid Crystal. Langmuir, 2013, 29, 9301-9309.	3.5	73
57	Bright fluorogenic squaraines with tuned cell entry for selective imaging of plasma membrane vs. endoplasmic reticulum. Chemical Communications, 2015, 51, 17136-17139.	4.1	72
58	Visualising the membrane viscosity of porcine eye lens cells using molecular rotors. Chemical Science, 2017, 8, 3523-3528.	7.4	71
59	A Peptide-Based, Ratiometric Biosensor Construct for Direct Fluorescence Detection of a Protein Analyte. Bioconjugate Chemistry, 2008, 19, 1864-1870.	3.6	70
60	Poly-Îµ-caprolactone tungsten oxide nanoparticles as a contrast agent for X-ray computed tomography. Biomaterials, 2014, 35, 2981-2986.	11.4	70
61	Neutral fluorescence probe with strong ratiometric response to surface charge of phospholipid membranes. FEBS Letters, 2001, 508, 196-200.	2.8	69
62	Tuning the color and photostability of perylene diimides inside polymer nanoparticles: towards biodegradable substitutes of quantum dots. Nanoscale, 2014, 6, 12934-12942.	5.6	69
63	Novel two-color fluorescence probe with extreme specificity to bovine serum albumin. FEBS Letters, 2003, 538, 25-28.	2.8	68
64	Visualization of lipid domains in giant unilamellar vesicles using an environment-sensitive membrane probe based on 3-hydroxyflavone. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 495-499.	2.6	68
65	The binding of novel two-color fluorescence probe FA to serum albumins of different species. International Journal of Biological Macromolecules, 2005, 35, 231-242.	7.5	65
66	Fluorescent Probe Based on Intramolecular Proton Transfer for Fast Ratiometric Measurement of Cellular Transmembrane Potential. Journal of Physical Chemistry B, 2006, 110, 13624-13632.	2.6	64
67	Sensing peptideâ€“oligonucleotide interactions by a two-color fluorescence label: application to the HIV-1 nucleocapsid protein. Nucleic Acids Research, 2009, 37, e25-e25.	14.5	64
68	Efficient Synthesis of Ratiometric Fluorescent Nucleosides Featuring 3-Hydroxychromone Nucleobases. Tetrahedron, 2009, 65, 7809-7816.	1.9	63
69	Polarity-Sensitive Probes for Superresolution Stimulated Emission Depletion Microscopy. Biophysical Journal, 2017, 113, 1321-1330.	0.5	63
70	Modulation of Excited-State Intramolecular Proton Transfer by Viscosity in Protic Media. Journal of Physical Chemistry A, 2007, 111, 10435-10438.	2.5	61
71	Biodistribution of X-Ray Iodinated Contrast Agent in Nano-Emulsions Is Controlled by the Chemical Nature of the Oily Core. ACS Nano, 2014, 8, 10537-10550.	14.6	61
72	Tailoring Fluorescence Brightness and Switching of Nanoparticles through Dye Organization in the Polymer Matrix. ACS Applied Materials & Interfaces, 2017, 9, 43030-43042.	8.0	61

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73	Agonist-induced membrane nanodomain clustering drives GLP-1 receptor responses in pancreatic beta cells. PLoS Biology, 2019, 17, e3000097.	5.6	61
74	Counterion-enhanced cyanine dye loading into lipid nano-droplets for single-particle tracking in zebrafish. Biomaterials, 2014, 35, 4950-4957.	11.4	60
75	Perturbation of planarity as the possible mechanism of solvent-dependent variations of fluorescence quantum yield in 2-aryl-3-hydroxychromones. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 787-792.	3.9	58
76	Ab initio study of the solvent H-bonding effect on ESIPT reaction and electronic transitions of 3-hydroxychromone derivatives. Physical Chemistry Chemical Physics, 2012, 14, 8910.	2.8	58
77	Polarity Mapping of Cells and Embryos by Improved Fluorescent Solvatochromic Pyrene Probe. Analytical Chemistry, 2020, 92, 6512-6520.	6.5	56
78	Synthesis and spectroscopic properties of benzo- and naphthofuryl-3-hydroxychromones. Canadian Journal of Chemistry, 2001, 79, 358-363.	1.1	54
79	Design of donorâ€“acceptor geometry for tuning excited-state polarization: fluorescence solvatochromism of pushâ€“pull biphenyls with various torsional restrictions on their arylâ€“aryl bonds. Tetrahedron, 2014, 70, 7551-7559.	1.9	54
80	Fluorescent Amino Acid Undergoing Excited State Intramolecular Proton Transfer for Site-Specific Probing and Imaging of Peptide Interactions. Journal of Physical Chemistry B, 2015, 119, 2585-2595.	2.6	54
81	Dyeâ€Loaded Nanoemulsions: Biomimetic Fluorescent Nanocarriers for Bioimaging and Nanomedicine. Advanced Healthcare Materials, 2021, 10, e2001289.	7.6	54
82	Neuronal Uptake and Neuroprotective Properties of Curcumin-Loaded Nanoparticles on SK-N-SH Cell Line: Role of Poly(lactide-co-glycolide) Polymeric Matrix Composition. Molecular Pharmaceutics, 2016, 13, 391-403.	4.6	53
83	Improved Hydration-Sensitive Dual-Fluorescence Labels For Monitoring Peptideâ^'Nucleic Acid Interactions. Bioconjugate Chemistry, 2011, 22, 101-107.	3.6	51
84	Fluorescence Lifetime Imaging of Membrane Lipid Order with a Ratiometric Fluorescent Probe. Biophysical Journal, 2015, 108, 2521-2531.	0.5	50
85	Synthesis of furanochromones: a new step in improvement of fluorescence properties. Tetrahedron Letters, 2002, 43, 7079-7082.	1.4	49
86	Resolution of Cys and Lys labeling of Î±-crystallin with site-sensitive fluorescent 3-hydroxyflavone dye. Analytical Biochemistry, 2004, 329, 43-57.	2.4	49
87	Robust augmented reality registration method for localization of solid organsâ€™ tumors using CT-derived virtual biomechanical model and fluorescent fiducials. Surgical Endoscopy and Other Interventional Techniques, 2017, 31, 2863-2871.	2.4	49
88	2-Aryl-3-hydroxyquinolones, a new class of dyes with solvent dependent dual emission due to excited state intramolecular proton transfer. New Journal of Chemistry, 2006, 30, 774-781.	2.8	48
89	Detection of apoptosis through the lipid order of the outer plasma membrane leaflet. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 3048-3054.	2.6	48
90	BODIPY with Tuned Amphiphilicity as a Fluorogenic Plasma Membrane Probe. Bioconjugate Chemistry, 2019, 30, 192-199.	3.6	48

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91	Ultrabright Fluorescent Polymeric Nanoparticles with a Stealth Pluronic Shell for Live Tracking in the Mouse Brain. ACS Nano, 2020, 14, 9755-9770.	14.6	48
92	Dynamic conformational transitions of the EGF receptor in living mammalian cells determined by FRET and fluorescence lifetime imaging microscopy. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2013, 83, 794-805.	1.5	47
93	Red Fluorescent Turnâ€On Ligands for Imaging and Quantifying G Proteinâ€Coupled Receptors in Living Cells. ChemBioChem, 2014, 15, 359-363.	2.6	47
94	Imaging lipid order changes in endosome membranes of live cells by using a Nile Red-based membrane probe. RSC Advances, 2014, 4, 8481-8488.	3.6	47
95	Cationic amphiphilic calixarenes to compact DNA into small nanoparticles for gene delivery. New Journal of Chemistry, 2015, 39, 1654-1664.	2.8	46
96	A fluorogenic BODIPY molecular rotor as an apoptosis marker. Chemical Communications, 2019, 55, 6902-6905.	4.1	46
97	Rational Design of a Solvatochromic Fluorescent Uracil Analogue with a Dualâ€Band Ratiometric Response Based on 3â€Hydroxychromone. Chemistry - A European Journal, 2014, 20, 1998-2009.	3.3	45
98	Proteinâ€Sized Bright Fluorogenic Nanoparticles Based on Crossâ€Linked Calixarene Micelles with Cyanine Corona. Angewandte Chemie - International Edition, 2016, 55, 15884-15888.	13.8	45
99	Redesigning Solvatochromic Probe Laurdan for Imaging Lipid Order Selectively in Cell Plasma Membranes. Analytical Chemistry, 2020, 92, 14798-14805.	6.5	45
100	Effects of polar protic solvents on dual emissions of 3-hydroxychromones. Journal of Chemical Sciences, 2007, 119, 83-89.	1.5	44
101	Proteinâ€Sized Dyeâ€Loaded Polymer Nanoparticles for Free Particle Diffusion in Cytosol. Advanced Functional Materials, 2018, 28, 1805157.	14.9	44
102	Modulation of dual fluorescence in a 3-hydroxyquinolone dye by perturbation of its intramolecular proton transfer with solvent polarity and basicity. Photochemical and Photobiological Sciences, 2006, 5, 1038-1044.	2.9	43
103	Excited State Proton Transfer and Solvent Relaxation of a 3-Hydroxyflavone Probe in Lipid Bilayers. Journal of Physical Chemistry B, 2008, 112, 11929-11935.	2.6	43
104	BODIPY-loaded polymer nanoparticles: chemical structure of cargo defines leakage from nanocarrier in living cells. Journal of Materials Chemistry B, 2019, 7, 5199-5210.	5.8	43
105	Solvatochromic Nile Red Probes with FRET Quencher Reveal Lipid Order Heterogeneity in Living and Apoptotic Cells. ACS Chemical Biology, 2015, 10, 1435-1442.	3.4	42
106	Two-Dimensional Self-Assembly and Phase Behavior of an Alkoxylated Sandwich-Type Bisphthalocyanine and Its Phthalocyanine Analogues at the Liquidâ"Solid Interface. Langmuir, 2006, 22, 723-728.	3.5	41
107	Unusually slow proton transfer dynamics of a 3-hydroxychromone dye in protic solvents. Photochemical and Photobiological Sciences, 2009, 8, 1583-1589.	2.9	41
108	Ratiometric Nanoparticle Probe Based on FRETâ€Amplified Phosphorescence for Oxygen Sensing with Minimal Phototoxicity. Small, 2020, 16, e2002494.	10.0	41

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109	Title is missing!. Journal of Fluorescence, 2002, 12, 181-185.	2.5	40
110	3-Hydroxybenzo[g]quinolones: dyes with red-shifted absorption and highly resolved dual emission. Tetrahedron Letters, 2009, 50, 4714-4719.	1.4	40
111	Monitoring membrane binding and insertion of peptides by two-color fluorescent label. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 424-432.	2.6	38
112	Blue fluorogenic probes for cell plasma membranes fill the gap in multicolour imaging. RSC Advances, 2015, 5, 22899-22905.	3.6	38
113	Turn-on Fluorene Pushâ€“Pull Probes with High Brightness and Photostability for Visualizing Lipid Order in Biomembranes. ACS Chemical Biology, 2017, 12, 3022-3030.	3.4	38
114	Fluorescent dyes undergoing intramolecular proton transfer with improved sensitivity to surface charge in lipid bilayers. Photochemical and Photobiological Sciences, 2007, 6, 71-76.	2.9	37
115	Lanthanide-Complex-Loaded Polymer Nanoparticles for Background-Free Single-Particle and Live-Cell Imaging. Chemistry of Materials, 2019, 31, 4034-4041.	6.7	37
116	Semi-empirical study of two-color fluorescent dyes based on 3-hydroxychromone. Computational and Theoretical Chemistry, 2005, 755, 229-239.	1.5	36
117	Two-Color Fluorescent <scp>l</scp>-Amino Acid Mimic of Tryptophan for Probing Peptideâ€“Nucleic Acid Complexes. Bioconjugate Chemistry, 2012, 23, 2434-2443.	3.6	36
118	Supramolecular Hydrophobicâ^'Hydrophilic Nanopatterns at Electrified Interfaces. Nano Letters, 2007, 7, 791-795.	9.1	35
119	Tuning excited state intramolecular proton transfer in 3-hydroxyflavone derivative by reaction of its isothiocyanate group with an amine. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 192, 93-97.	3.9	35
120	Calixarenes and related macrocycles as gene delivery vehicles. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2014, 80, 189-200.	1.6	35
121	Exploiting Fast Exciton Diffusion in Dye-Doped Polymer Nanoparticles to Engineer Efficient Photoswitching. Journal of Physical Chemistry Letters, 2015, 6, 2259-2264.	4.6	35
122	Smartphone-assisted detection of nucleic acids by light-harvesting FRET-based nanoprobe. Biosensors and Bioelectronics, 2020, 168, 112515.	10.1	35
123	New 3-hydroxyflavone derivatives for probing hydrophobic sites in microheterogeneous systems. Tetrahedron, 2007, 63, 10290-10299.	1.9	34
124	Characterization of the lipid and protein organization in HBsAg viral particles by steady-state and time-resolved fluorescence spectroscopy. Biochimie, 2010, 92, 994-1002.	2.6	34
125	New Unsymmetrical Bolaamphiphiles: Synthesis, Assembly with DNA, and Application for Gene Delivery. Bioconjugate Chemistry, 2010, 21, 2110-2118.	3.6	34
126	Probing biotin receptors in cancer cells with rationally designed fluorogenic squaraine dimers. Chemical Science, 2020, 11, 8240-8248.	7.4	34

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127	Steric Control of the Excited-State Intramolecular Proton Transfer in 3-Hydroxyquinolones:â€‰Steady-State and Time-Resolved Fluorescence Study. Journal of Physical Chemistry A, 2007, 111, 8986-8992.	2.5	33
128	Lipid nanocapsules maintain full integrity after crossing a human intestinal epithelium model. Journal of Controlled Release, 2017, 253, 11-18.	9.9	33
129	Dual-Fluorescence <scp>l</scp>-Amino Acid Reports Insertion and Orientation of Melittin Peptide in Cell Membranes. Bioconjugate Chemistry, 2013, 24, 1998-2007.	3.6	32
130	Quantitative assessment of energy transfer in upconverting nanoparticles grafted with organic dyes. Nanoscale, 2017, 9, 11994-12004.	5.6	32
131	Molecular Tuning of Styryl Dyes Leads to Versatile and Efficient Plasma Membrane Probes for Cell and Tissue Imaging. Bioconjugate Chemistry, 2020, 31, 875-883.	3.6	32
132	Switchable Solvatochromic Probes for Liveâ€Cell Superâ€resolution Imaging of Plasma Membrane Organization. Angewandte Chemie, 2019, 131, 15062-15066.	2.0	31
133	Controlling Size and Fluorescence of Dye-Loaded Polymer Nanoparticles through Polymer Design. Langmuir, 2019, 35, 7009-7017.	3.5	31
134	A peptide-based fluorescent ratiometric sensor for quantitative detection of proteins. Analytical Biochemistry, 2010, 401, 188-195.	2.4	30
135	Anion Formation of 4â€˜-(Dimethylamino)-3-hydroxyflavone in Phosphatidylglycerol Vesicles Induced by HEPES Buffer:â€‰A Steady-State and Time-Resolved Fluorescence Investigation. Journal of Physical Chemistry B, 2004, 108, 18750-18755.	2.6	29
136	Chapter 3 Multiparametric Probing of Microenvironment with Solvatochromic Fluorescent Dyes. Methods in Enzymology, 2008, 450, 37-58.	1.0	29
137	Location, dynamics and solvent relaxation of a nile red-based phase-sensitive fluorescent membrane probe. Chemistry and Physics of Lipids, 2014, 183, 1-8.	3.2	29
138	Stealth and Bright Monomolecular Fluorescent Organic Nanoparticles Based on Folded Amphiphilic Polymer. ACS Nano, 2020, 14, 13924-13937.	14.6	29
139	Enzyme-free amplified detection of cellular microRNA by light-harvesting fluorescent nanoparticle probes. Biosensors and Bioelectronics, 2021, 179, 113084.	10.1	29
140	A new method for the formulation of double nanoemulsions. Soft Matter, 2017, 13, 1660-1669.	2.7	28
141	Ultrafast photophysics of the environment-sensitive 4â€²-methoxy-3-hydroxyflavone fluorescent dye. Physical Chemistry Chemical Physics, 2018, 20, 7885-7895.	2.8	28
142	The structure of HBsAg particles is not modified upon their adsorption on aluminium hydroxide gel. Vaccine, 2012, 30, 5240-5245.	3.8	27
143	A FRET-based probe with a chemically deactivatable quencher. Chemical Communications, 2012, 48, 3224.	4.1	27
144	Monitoring penetratin interactions with lipid membranes and cell internalization using a new hydration-sensitive fluorescent probe. Organic and Biomolecular Chemistry, 2014, 12, 7036-7044.	2.8	27

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145	Apoptosis and eryptosis: Striking differences on biomembrane level. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1362-1371.	2.6	27
146	S-Palmitoylation of junctophilin-2 is critical for its role in tethering the sarcoplasmic reticulum to the plasma membrane. Journal of Biological Chemistry, 2019, 294, 13487-13501.	3.4	27
147	Sensing Micelle Hydration by Proton-Transfer Dynamics of a 3-Hydroxychromone Dye: Role of the Surfactant Headgroup and Chain Length. Langmuir, 2012, 28, 7147-7159.	3.5	26
148	Functionalizing Nanoemulsions with Carboxylates: Impact on the Biodistribution and Pharmacokinetics in Mice. Macromolecular Bioscience, 2017, 17, 1600471.	4.1	26
149	Ionic aggregation-induced emission dye with bulky counterions for preparation of bright near-infrared polymeric nanoparticles. Nanoscale, 2019, 11, 13977-13987.	5.6	26
150	7-(2-Methoxycarbonylvinyl)-3-hydroxychromones: new dyes with red shifted dual emission. Tetrahedron Letters, 2004, 45, 8391-8394.	1.4	25
151	Membrane Dipole Potential as Measured by Ratiometric 3-Hydroxyflavone Fluorescence Probes: Accounting for Hydration Effects. Journal of Fluorescence, 2006, 16, 35-42.	2.5	25
152	Tuning excited-state proton transfer dynamics of a 3-hydroxychromone dye in supramolecular complexes via hostâ€“guest steric compatibility. Physical Chemistry Chemical Physics, 2014, 16, 776-784.	2.8	25
153	Rational design of fluorescent membrane probes for apoptosis based on 3-hydroxyflavone. Methods and Applications in Fluorescence, 2013, 1, 025002.	2.3	24
154	Disassemblyâ€Driven Fluorescence Turnâ€on of Polymerized Micelles by Reductive Stimuli in Living Cells. Chemistry - A European Journal, 2014, 20, 16473-16477.	3.3	24
155	Inter-nanocarrier and nanocarrier-to-cell transfer assays demonstrate the risk of an immediate unloading of dye from labeled lipid nanocapsules. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 98, 47-56.	4.3	24
156	Emerging solvatochromic pushâ€“pull dyes for monitoring the lipid order of biomembranes in live cells. Journal of Biochemistry, 2021, 170, 163-174.	1.7	24
157	Polarity Assessment of Thermoresponsive Poly(NIPAM-co-NtBA) Copolymer Films Using Fluorescence Methods. Journal of Fluorescence, 2010, 20, 719-731.	2.5	23
158	Ca-NIR: a ratiometric near-infrared calcium probe based on a dihydroxanthene-hemicyanine fluorophore. Chemical Communications, 2017, 53, 6117-6120.	4.1	23
159	Development of a thermosensitive statin loaded chitosan-based hydrogel promoting bone healing. International Journal of Pharmaceutics, 2020, 586, 119534.	5.2	23
160	Quantification of Local Hydration at the Surface of Biomolecules Using Dual-Fluorescence Labels. Journal of Physical Chemistry A, 2012, 116, 3103-3109.	2.5	22
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