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## Principles of Fluorescence Spectroscopy

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2234	Inhomogeneous spectral broadening and the decay kinetics of the luminescence spectra of prodan. <b>2006</b> , 101, 98-104		8
2233	Vibronic fluorescence and fluorescence excitation spectra of diphenyl oxazolyl benzene and its oxadiazol analogue. <b>2006</b> , 101, 226-233		6
2232	Nonradiative energy transfer in a concentrated solution of prodan. <b>2006</b> , 101, 563-567		3
2231	Biochips and other microtechnologies for physiomics. <b>2007</b> , 4, 553-63		8
2230	Heterogeneous dynamics and dynamic heterogeneities at the glass transition probed with single molecule spectroscopy. <b>2007</b> , 127, 114508		42
2229	Dual-function of thiocyanate on nitrite-induced formation of reactive nitrogen oxide species in human oral cavity: inhibition under neutral and enhancement under acidic conditions. <b>2007</b> , 41, 1289-300		6
2228	Long-lifetime emission in luminescent colloidal silica. <b>2007</b> , 91, 091909		9
2227	Dynamics of equilibrium structural fluctuations of apomyoglobin measured by fluorescence correlation spectroscopy. <b>2007</b> , 104, 10459-64		70
2226	Structure and conformational changes in the C-terminal domain of the beta2-adrenoceptor: insights from fluorescence resonance energy transfer studies. <b>2007</b> , 282, 13895-905		133
2225	Metal-enhanced single-molecule fluorescence on silver particle monomer and dimer: coupling effect between metal particles. <b>2007</b> , 7, 2101-7		340

- 2224 On the behavior of indole-containing species sequestered within reverse micelles at sub-zero temperatures. **2007**, 61, 537-47
- 2223 Chemosensory performance of molecularly imprinted fluorescent conjugated polymer materials. **2007**, 129, 15911-8 151
- 2222 Long-range distance determinations in biomacromolecules by EPR spectroscopy. **2007**, 40, 1-53 445
- 2221 Core-shell silica nanoparticles as fluorescent labels for nanomedicine. **2007**, 12, 064007 92
- 2220 Enhanced Förster Resonance Energy Transfer on Single Metal Particle. 2. Dependence on Donor-Acceptor Separation Distance, Particle Size, and Distance from Metal Surface. **2007**, 111, 11784-11792 103
- 2219 A reactive peptidic linker for self-assembling hybrid quantum dot-DNA bioconjugates. **2007**, 7, 1741-8 172
- 2218 Energy transfer between CdSe/ZnS core/shell quantum dots and fluorescent proteins. **2007**, 18, 1705-8 42
- 2217 Polyelectrolyte Layer-by-Layer Assembly To Control the Distance between Fluorophores and Plasmonic Nanostructures. **2007**, 19, 5902-5909 119
- 2216 Visual sensations during megavoltage radiotherapy to the orbit attributable to Cherenkov radiation. **2008**, 35, 77-80 14
- 2215 Accurate single molecule FRET efficiency determination for surface immobilized DNA using maximum likelihood calculated lifetimes. **2007**, 111, 2986-90 31
- 2214 Biochemical basis for enhanced binding of peptide dimers to X-linked inhibitor of apoptosis protein. **2007**, 46, 11938-44 11
- 2213 Structural role of tyrosine 98 in photoactive yellow protein: effects on fluorescence, gateway, and photocycle recovery. **2007**, 46, 95-105 6
- 2212 Effect of hexafluorobenzene on the photophysics of pyrene. **2007**, 111, 4884-9 17
- 2211 Photophysical properties of acene DCDHF fluorophores: long-wavelength single-molecule emitters designed for cellular imaging. **2007**, 111, 8934-41 62
- 2210 Dipolar relaxation within the protein matrix of the green fluorescent protein: a red edge excitation shift study. **2007**, 111, 14436-9 31
- 2209 Fluorescence images of DNA-bound YOYO between coupled silver particles. **2007**, 23, 11734-9 10
- 2208 Fluorescence efficiency of individual carbon nanotubes. **2007**, 7, 3698-703 111
- 2207 Ultrafast fluorescence resonance energy transfer in the micelle and the gel phase of a PEO-PPO-PEO triblock copolymer: excitation wavelength dependence. **2007**, 111, 7085-91 41

2206	Intrinsic fluorescence reports a global conformational change in the N-lobe of human serum transferrin following iron release. <b>2007</b> , 46, 10603-11	35
2205	Tilted, extended, and lying in wait: the membrane-bound topology of residues Lys-381-Ser-405 of the colicin E1 channel domain. <b>2007</b> , 46, 6074-85	15
2204	Investigating desorption of native pyrene from sediment on minute- to month-timescales by time-gated fluorescence spectroscopy. <b>2007</b> , 41, 7752-8	12
2203	Fluorescence lifetime standards for time and frequency domain fluorescence spectroscopy. <b>2007</b> , 79, 2137-49	338
2202	Global analysis of fluorometric titration curves in the presence of excited-state association and quenching. <b>2007</b> , 111, 6054-61	6
2201	Mechanisms of Spectral Profile Modification in Surface-Enhanced Fluorescence. <b>2007</b> , 111, 16076-16079	131
2200	Ruthenium complexes that break the rules: structural features controlling dual emission. <b>2007</b> , 129, 8544-51	86
2199	Determination of membrane domain size by fluorescence resonance energy transfer: effects of domain polydispersity and packing. <b>2007</b> , 23, 4737-9	8
2198	Metal-Enhanced Fluorescence of Phycobiliproteins from Heterogeneous Plasmonic Nanostructures. <b>2007</b> , 111, 18856-18863	46
2197	Dynamics of light-induced conformational changes of the phoborhodopsin/transducer complex formed in the n-dodecyl beta-D-maltoside micelle. <b>2007</b> , 46, 5349-57	10
2196	The symmetry of two-photon excited states as determined by time-resolved fluorescence depolarization experiments. <b>2007</b> , 111, 11531-9	8
2195	Single cell fluorescence imaging using metal plasmon-coupled probe. <b>2007</b> , 18, 800-5	16
2194	Self-assembly of recombinant amphiphilic oligopeptides into vesicles. <b>2007</b> , 8, 2753-61	75
2193	Kinetics of Metal-Affinity Driven Self-Assembly between Proteins or Peptides and CdSe/ZnS Quantum Dots. <b>2007</b> , 111, 11528-11538	221
2192	On the quenching of semiconductor quantum dot photoluminescence by proximal gold nanoparticles. <b>2007</b> , 7, 3157-64	443
2191	Conformational analysis of the electron-transfer kinetics across oligoproline peptides using N,N-dimethyl-1,4-benzenediamine donors and pyrene-1-sulfonyl acceptors. <b>2007</b> , 111, 6878-86	18
2190	Single-particle laser-induced-fluorescence spectra of biological and other organic-carbon aerosols in the atmosphere: Measurements at New Haven, Connecticut, and Las Cruces, New Mexico. <b>2007</b> , 112,	64
2189	Rhodamine-based fluorescent thermometer exhibiting selective emission enhancement at a specific temperature range. <b>2007</b> , 9, 3921-4	135

2188	Study of organized and biological systems using an ultrafast laser. <b>2007</b> , 26, 421-448	22
2187	Strong enhancement of the radiative decay rate of emitters by single plasmonic nanoantennas. <b>2007</b> , 7, 2871-5	435
2186	Rhenium fac tricarbonyl bisimine complexes: biologically useful fluorochromes for cell imaging applications. <b>2007</b> , 3066-8	201
2185	Signal-amplifying resonance energy transfer: a dynamic multichromophore array for allosteric switching. <b>2007</b> , 46, 7019-22	29
2184	A fluorescent sensor array for saccharides based on boronic Acid appended bipyridinium salts. <b>2007</b> , 46, 6457-9	130
2183	Signal-Amplifying Resonance Energy Transfer: A Dynamic Multichromophore Array for Allosteric Switching. <b>2007</b> , 119, 7149-7152	6
2182	A Fluorescent Sensor Array for Saccharides Based on Boronic Acid Appended Bipyridinium Salts. <b>2007</b> , 119, 6577-6579	18
2181	Acid/Base-Sensitive Ring-Opening Metathesis Polymers Based on Phenanthroimidazole Dyes. <b>2007</b> , 208, 1093-1100	16
2180	Purification and spectroscopic characterization of the recombinant BG21 isoform of murine golli myelin basic protein. <b>2007</b> , 85, 272-84	8
2179	A new rhodamine-based fluorescent chemosensor for transition metal cations synthesized by one-step facile condensation. <b>2007</b> , 48, 5455-5459	127
2178	Effect of energy transfer on the kinetics of the decay and anisotropy of luminescence of prodan molecules. <b>2007</b> , 102, 218-226	
2177	High-throughput screening assays for the identification of chemical probes. <b>2007</b> , 3, 466-79	478
2176	Tools for investigating peptide-protein interactions: peptide incorporation of environment-sensitive fluorophores via on-resin derivatization. <b>2007</b> , 2, 3201-9	16
2175	Synthesis of anhydride precursors of the environment-sensitive fluorophores 4-DMAP and 6-DMN. <b>2007</b> , 2, 3219-25	18
2174	Spin labeling of oligonucleotides with the nitroxide TPA and use of PELDOR, a pulse EPR method, to measure intramolecular distances. <b>2007</b> , 2, 904-23	142
2173	Intrinsic motions along an enzymatic reaction trajectory. <b>2007</b> , 450, 838-44	706
2172	Irradiation-induced enhancement of Pc 4 fluorescence and changes in light scattering are potential dosimeters for Pc 4-PDT. <b>2007</b> , 83, 1056-62	18
2171	Identification of three phases in Onconase refolding. <b>2007</b> , 274, 5826-33	5

2170	Surface energy transfer from rhodamine 6G to gold nanoparticles: A spectroscopic ruler. <b>2007</b> , 91, 043104	90
2169	Aluminum nanostructured films as substrates for enhanced fluorescence in the ultraviolet-blue spectral region. <b>2007</b> , 79, 6480-7	160
2168	Cu(II)-selective green fluorescence of a rhodamine-diacetic acid conjugate. <b>2007</b> , 9, 5039-42	313
2167	Efficiency of resonance energy transfer in homo-oligomeric complexes of proteins. <b>2007</b> , 33, 109-27	60
2166	Wavelength-selective fluorescence in ion channels formed by gramicidin A in membranes. <b>2007</b> , 119, 135-140	1
2165	Extrinsic fluorescent dyes as tools for protein characterization. <b>2008</b> , 25, 1487-99	855
2164	Intra and inter-molecular interactions dictate the aggregation state of irinotecan co-encapsulated with floxuridine inside liposomes. <b>2008</b> , 25, 1702-13	16
2163	Highly sensitive and quantitative FRET-FLIM imaging in single dendritic spines using improved non-radiative YFP. <b>2008</b> , 36, 31-42	116
2162	5,9-Diaminodibenzo[a,j]phenoxazinium chloride: a rediscovered efficient long wavelength fluorescent dye. <b>2008</b> , 18, 513-8	5
2161	Quenching of pyrene fluorescence by calix[4]arene and calix[4]resorcinarenes. <b>2008</b> , 18, 533-9	23
2160	Frequency domain fluorescence lifetime study of crude petroleum oils. <b>2008</b> , 18, 997-1006	19
2159	Optimization of Verapamil drug analysis by excitation-emission fluorescence in combination with second-order multivariate calibration. <b>2008</b> , 18, 1065-76	12
2158	Interaction of thyroxine with 7 hydroxycoumarin: a fluorescence quenching study. <b>2008</b> , 18, 781-5	28
2157	satFRET: estimation of Förster resonance energy transfer by acceptor saturation. <b>2008</b> , 38, 69-82	34
2156	Ultrafast fluorescence resonance energy transfer in a bile salt aggregate: Excitation wavelength dependence. <b>2008</b> , 120, 15-23	11
2155	Alkyl-functionalized oxide-free silicon nanoparticles: synthesis and optical properties. <b>2008</b> , 4, 1835-41	169
2154	Monomer formation and function of p-hydroxybenzoate hydroxylase in reverse micelles and in dimethylsulfoxide/water mixtures. <b>2008</b> , 9, 413-9	8
2153	Assembly of the inner kinetochore proteins CENP-A and CENP-B in living human cells. <b>2008</b> , 9, 77-92	27

2152	Cellular dynamics of Ku: characterization and purification of Ku-eGFP. <b>2008</b> , 9, 1251-9	11
2151	Trilinear analysis of images obtained with a hyperspectral imaging confocal microscope. <b>2008</b> , 22, 491-499	10
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2149	Harnessing a ratiometric fluorescence output from a sensor array. <b>2008</b> , 14, 8540-6	38
2148	Highly fluorescent conjugated pyrenes in nucleic acid probes: (phenylethynyl)pyrenecarbonyl-functionalized locked nucleic acids. <b>2008</b> , 14, 11010-26	58
2147	Phosphorus-based heteropentacenes: efficiently tunable materials for organic n-type semiconductors. <b>2008</b> , 14, 9878-89	119
2146	Dynamics of supramolecular association monitored by fluorescence correlation spectroscopy. <b>2008</b> , 9, 1819-27	50
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2144	A compact, multidimensional spectrofluorometer exploiting supercontinuum generation. <b>2008</b> , 1, 494-505	29
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2142	Lanthanide Complexes and Quantum Dots: A Bright Wedding for Resonance Energy Transfer. <b>2008</b> , 2008, 3241-3251	87
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2140	Ground- and excited-state proton transfer and antioxidant activity of 3-hydroxyflavone in egg yolk phosphatidylcholine liposomes: absorption and fluorescence spectroscopic studies. <b>2008</b> , 23, 397-403	38
2139	Development and application of an excitation ratiometric optical pH sensor for bioprocess monitoring. <b>2008</b> , 24, 1393-401	28
2138	Highly sensitive detection of mercury(II) ions by fluorescence polarization enhanced by gold nanoparticles. <b>2008</b> , 47, 8386-9	338
2137	Highly Sensitive Detection of Mercury(II) Ions by Fluorescence Polarization Enhanced by Gold Nanoparticles. <b>2008</b> , 120, 8514-8517	42
2136	Phenanthrene-fused boron-dipyrromethenes as bright long-wavelength fluorophores. <b>2008</b> , 10, 1581-4	138
2135	Molecular fluorescence, phosphorescence, and chemiluminescence spectrometry. <b>2008</b> , 80, 4551-74	35

2134	Carbon nanotube-quenched fluorescent oligonucleotides: probes that fluoresce upon hybridization. <b>2008</b> , 130, 8351-8	508
2133	Fluorescence measurements on functionalized polymer surfaces--problems and troubleshooting. <b>2008</b> , 1130, 28-34	3
2132	Standardization of fluorescence measurements: criteria for the choice of suitable standards and approaches to fit-for-purpose calibration tools. <b>2008</b> , 1130, 35-43	9
2131	Acoustically levitated droplets: a contactless sampling method for fluorescence studies. <b>2008</b> , 1130, 78-84	6
2130	Human serum albumin-flavonoid interactions monitored by means of tryptophan kinetics. <b>2008</b> , 1130, 314-9	22
2129	Betaine protects urea-induced denaturation of myosin subfragment-1. <b>2008</b> , 275, 3388-96	35
2128	Studying reactions that proceed from highest excited states of molecules using fluorescence quenching. <b>2008</b> , 105, 496-510	7
2127	Do-it-yourself guide: how to use the modern single-molecule toolkit. <b>2008</b> , 5, 475-89	268
2126	Quantum dots versus organic dyes as fluorescent labels. <b>2008</b> , 5, 763-75	2913
2125	Nanoscale imaging of molecular positions and anisotropies. <b>2008</b> , 5, 1027-30	101
2124	Different molecular constituents in pheomelanin are responsible for emission, transient absorption and oxygen photoconsumption. <b>2008</b> , 84, 437-43	27
2123	Differential aberration correction (DAC) microscopy: a new molecular ruler. <b>2008</b> , 232, 235-9	2
2122	Molecular and cellular approaches for the detection of protein-protein interactions: latest techniques and current limitations. <b>2008</b> , 53, 610-35	142
2121	Collagen density promotes mammary tumor initiation and progression. <b>2008</b> , 6, 11	904
2120	Associative Interactions of Condensed Aromatic Compounds with Vanadyl or Nickel Porphyrin Complexes Are Not Observed in the Organic Phase. <b>2008</b> , 22, 2465-2469	37
2119	Characterization of new fluorescent labels for ultra-high resolution microscopy. <b>2008</b> , 7, 1378-85	27
2118	Perylene attached to 2'-amino-LNA: synthesis, incorporation into oligonucleotides, and remarkable fluorescence properties in vitro and in cell culture. <b>2008</b> , 19, 1995-2007	45
2117	Acyclic Diene Metathesis Synthesis of Silylene- and Siloxane-Containing Conjugated Polymers and Macrocycles <b>2008</b> , 41, 6677-6685	27



2116	Safranine fluorescent staining of wood cell walls. <b>2008</b> , 83, 161-71	56
2115	Characterization of subdomain IIA binding site of human serum albumin in its native, unfolded, and refolded states using small molecular probes. <b>2008</b> , 130, 10793-801	412
2114	De Gruyter. <b>2008</b> , 58,	49
2113	Gold nanoparticle-based colorimetric and "turn-on" fluorescent probe for mercury(II) ions in aqueous solution. <b>2008</b> , 80, 9021-8	443
2112	Time-resolved methods in biophysics. 7. Photon counting vs. analog time-resolved singlet oxygen phosphorescence detection. <b>2008</b> , 7, 1003-10	117
2111	Uranium(VI) Sulfate Complexation as a Function of Temperature and Ionic Strength Studied by TRLFS. <b>2008</b> , 623-630	2
2110	Size dependence of the wavefunction of self-assembled InAs quantum dots from time-resolved optical measurements. <b>2008</b> , 77,	98
2109	Ligand binding site of tear lipocalin: contribution of a trigonal cluster of charged residues probed by 8-anilino-1-naphthalenesulfonic acid. <b>2008</b> , 47, 1414-24	24
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2107	Energy Transfer in Solution-Based Clusters of CdTe Nanocrystals Electrostatically Bound by Calcium Ions. <b>2008</b> , 112, 14589-14594	58
2106	Fluorescence turn-on detection of DNA and label-free fluorescence nuclease assay based on the aggregation-induced emission of silole. <b>2008</b> , 80, 6443-8	225
2105	Quenching and dequenching of pyrene fluorescence by nucleotide monophosphates in cationic micelles. <b>2008</b> , 112, 7338-44	27
2104	Prolonged irradiation of enhanced cyan fluorescent protein or Cerulean can invalidate Forster resonance energy transfer measurements. <b>2008</b> , 13, 031205	24
2103	Multiprobe spectroscopic evidence for "hyperpolarity" within 1-butyl-3-methylimidazolium hexafluorophosphate mixtures with tetraethylene glycol. <b>2008</b> , 112, 14927-36	85
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2101	Origin of Size-Dependent Energy Transfer from Photoexcited CdSe Quantum Dots to Gold Nanoparticles. <b>2008</b> , 112, 6695-6699	41
2100	Water-soluble, pH-sensitive fluorescent probes on the basis of acridizinium ions. <b>2008</b> , 7, 405-7	21
2099	Water-soluble Ag nanoclusters exhibit strong two-photon-induced fluorescence. <b>2008</b> , 130, 11602-3	146

2098	Near-infrared emitting fluorophore-doped calcium phosphate nanoparticles for in vivo imaging of human breast cancer. <b>2008</b> , 2, 2075-84	372
2097	Fluorescence anisotropy assay for the traceless kinetic analysis of protein digestion. <b>2008</b> , 80, 4170-4	27
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2094	Strong Two-Photon Absorption in PushPull Phthalocyanines: Role of Resonance Enhancement and Permanent Dipole Moment Change upon Excitation. <b>2008</b> , 112, 848-859	44
2093	Nitrogen gas purging for the deoxygenation of polyaromatic hydrocarbon solutions in cyclohexane for routine fluorescence analysis. <b>2008</b> , 62, 333-6	11
2092	Fluorescence spectroscopic profiling of compound libraries. <b>2008</b> , 51, 2363-71	200
2091	Characterization of chemical libraries for luciferase inhibitory activity. <b>2008</b> , 51, 2372-86	161
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2087	A Single-Photon Avalanche Diode Array for Fluorescence Lifetime Imaging Microscopy. <b>2008</b> , 43, 2546-2557	71
2086	Fluorescence Quantum Yields: Methods of Determination and Standards. <b>2008</b> , 101-145	58
2085	Bright ideas for chemical biology. <b>2008</b> , 3, 142-55	937
2084	A rhodamine-cyclen conjugate as a highly sensitive and selective fluorescent chemosensor for Hg(II). <b>2008</b> , 73, 8571-4	240
2083	7-Azabicyclo[2.2.1]heptane as a unique and effective dialkylamino auxochrome moiety: demonstration in a fluorescent rhodamine dye. <b>2008</b> , 130, 17652-3	46
2082	Interactions between redox complexes and semiconductor quantum dots coupled via a peptide bridge. <b>2008</b> , 130, 16745-56	103
2081	Encapsulation of organic molecules in calcium phosphate nanocomposite particles for intracellular imaging and drug delivery. <b>2008</b> , 8, 4108-15	252

2080	Hybrid Optical-Ultrasonic Technique for Biomedical Diagnostics. <b>2008</b> , 1-4	
2079	A Disposable Optical Fiber-Based Capillary Probe for Sensing Lead Ions. <b>2008</b> , 8, 1656-1662	1
2078	Novel "lipid-flow chip" configuration to determine donor-to-acceptor ratio-dependent fluorescence resonance energy transfer efficiency. <b>2008</b> , 24, 921-6	18
2077	Modular synthesis of 5-substituted thiophen-2-yl C-2'-deoxyribonucleosides. <b>2008</b> , 73, 3798-806	21
2076	Photophysics of the platinum(II) terpyridyl terpyridylacetylde platform and the influence of Fe(II) and Zn(II) coordination. <b>2008</b> , 47, 6796-803	30
2075	Energy Transfer and Emission Decay Kinetics in Mixed Microporous Lanthanide Silicates with Unusual Dimensionality. <b>2008</b> , 112, 260-268	18
2074	Ultrafast excited-state dynamics of nanoscale near-infrared emissive polymersomes. <b>2008</b> , 130, 9773-84	41
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2071	Peptide probes for protein transmembrane domains. <b>2008</b> , 3, 402-11	12
2070	Quantitative distinction between competing intramolecular bond twisting and solvent relaxation dynamics: an ultrafast study. <b>2008</b> , 112, 5598-603	18
2069	Excited-state symmetry and reorientation dynamics of perylenes in liquid solutions: time-resolved fluorescence depolarization studies using one- and two-photon excitation. <b>2008</b> , 112, 5794-803	17
2068	Excited-state dynamics of polyfluorene derivatives in solution. <b>2008</b> , 112, 5054-9	7
2067	Structure and function of the sterol carrier protein-2 N-terminal presequence. <b>2008</b> , 47, 5915-34	37
2066	Differential effects of cholesterol and its immediate biosynthetic precursors on membrane organization. <b>2008</b> , 47, 5668-77	50
2065	Protein Binding by Functionalized Multiwalled Carbon Nanotubes Is Governed by the Surface Chemistry of Both Parties and the Nanotube Diameter. <b>2008</b> , 112, 3300-3307	140
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2063	Monitoring orientation and dynamics of membrane-bound melittin utilizing dansyl fluorescence. <b>2008</b> , 112, 14075-82	35

2062	Plasmon-Coupled Fluorescence Probes: Effect of Emission Wavelength on Fluorophore-Labeled Silver Particles. <b>2008</b> , 112, 9172-9180	21
2061	How do surfactants and DTT affect the size, dynamics, activity and growth of soluble lysozyme aggregates?. <b>2008</b> , 415, 275-88	68
2060	Single-molecule spectroscopic study of enhanced intrinsic phycoerythrin fluorescence on silver nanostructured surfaces. <b>2008</b> , 80, 6942-8	21
2059	Ultrafast bimolecular electron transfer dynamics in micellar media. <b>2008</b> , 112, 6646-52	30
2058	Liposome encapsulation of conjugated polyelectrolytes: toward a liposome beacon. <b>2008</b> , 130, 457-9	33
2057	Ionic liquid induced changes in the properties of aqueous zwitterionic surfactant solution. <b>2008</b> , 24, 6462-9	97
2056	FRET conformational analysis of calmodulin binding to nitric oxide synthase peptides and enzymes. <b>2008</b> , 47, 12006-17	9
2055	Single-Molecule Studies on Fluorescently Labeled Silver Particles: Effects of Particle Size. <b>2007</b> , 112, 18	102
2054	Reaction kinetics study of short DNA strands using a maximum entropy method and nonlinear curve fitting. <b>2008</b> , 112, 12066-70	1
2053	Irradiation of the porphyrin causes unfolding of the protein in the protoporphyrin IX/beta-lactoglobulin noncovalent complex. <b>2008</b> , 112, 7592-600	18
2052	Metal-enhanced Intrinsic Fluorescence of Proteins on Silver Nanostructured Surfaces towards Label-Free Detection. <b>2008</b> , 112, 17957-17963	21
2051	Probe-Induced Self-Aggregation of $\beta$ -Cyclodextrin: Formation of Extended Nanotubular Suprastructure. <b>2008</b> , 112, 9600-9603	31
2050	Depolarization of surface-enhanced fluorescence: an approach to fluorescence polarization assays. <b>2008</b> , 80, 6260-6	16
2049	Temperature-Dependent Exciton Recombination Dynamics of CdTe Nanocrystals. <b>2008</b> , 112, 19263-19267	20
2048	Nonlinear optical response of chloroaluminiumphthalocyanine encapsulated by silica core-shell particles. <b>2008</b> , 24, 7485-91	14
2047	Calibration approach for fluorescence lifetime determination for applications using time-gated detection and finite pulse width excitation. <b>2008</b> , 80, 7876-81	3
2046	Single-cell fluorescence imaging using metal plasmon-coupled probe 2: single-molecule counting on lifetime image. <b>2008</b> , 8, 1179-86	46
2045	Enhanced fluorescence images for labeled cells on silver island films. <b>2008</b> , 24, 12452-7	48

2044	Quantum dot-fluorescent protein pairs as novel fluorescence resonance energy transfer probes. <b>2008</b> , 8, 1439-45	163
2043	Interaction of the P-glycoprotein multidrug efflux pump with cholesterol: effects on ATPase activity, drug binding and transport. <b>2008</b> , 47, 13686-98	88
2042	Noncovalent interaction of 5,10,15,20-tetrakis(4-N-methylpyridyl)porphyrin with Cucurbit[7]uril: a supramolecular architecture. <b>2008</b> , 112, 10782-5	82
2041	Fluorescence quenching induced by conformational fluctuations in unsolvated polypeptides. <b>2008</b> , 112, 12801-15	28
2040	Facilitated permeation of antibiotics across membrane channels--interaction of the quinolone moxifloxacin with the OmpF channel. <b>2008</b> , 130, 13301-9	47
2039	Fluorescence lifetime correlation spectroscopic study of fluorophore-labeled silver nanoparticles. <b>2008</b> , 80, 7313-8	44
2038	Chain dynamics of nascent polypeptides emerging from the ribosome. <b>2008</b> , 3, 555-66	53
2037	Protein-protein docking and analysis reveal that two homologous bacterial adenylyl cyclase toxins interact with calmodulin differently. <b>2008</b> , 283, 23836-45	24
2036	Fluorescence Spectroscopy: Applications in Chemical Biology. <b>2008</b> , 1	2
2035	Practical Time-Resolved Fluorescence Spectroscopy: Avoiding Artifacts and Using Lifetime Standards. <b>2008</b> , 215-232	7
2034	Characterization of the pre-force-generation state in the actomyosin cross-bridge cycle. <b>2008</b> , 105, 8631-6	33
2033	Use of liposomes as membrane models to evaluate the contribution of drug-membrane interactions to antioxidant properties of etodolac. <b>2008</b> , 13, 225-36	25
2032	Thermal characterization of light-emitting diodes in the frequency domain. <b>2008</b> , 93, 103508	11
2031	Nonextensive kinetics of fluorescence resonance energy transfer. <b>2008</b> , 129, 144507	9
2030	Geometrical effects in the energy transfer mechanism for silicon nanocrystals and Er <sup>3+</sup> . <b>2008</b> , 93, 261109	20
2029	Patch-clamp coordinated spectroscopy shows P2X <sub>2</sub> receptor permeability dynamics require cytosolic domain rearrangements but not Panx-1 channels. <b>2008</b> , 105, 12063-8	88
2028	Energy migration alters the fluorescence lifetime of Cerulean: implications for fluorescence lifetime imaging Forster resonance energy transfer measurements. <b>2008</b> , 13, 031204	51
2027	Molecular perspective of antigen-mediated mast cell signaling. <b>2008</b> , 283, 7117-27	32

2026	Fluorescence Quenching of 2,2'-dimethyl-p-terphenyl by Carbon Tetrachloride in Binary Mixtures. <b>2008</b> , 41, 242-250	15
2025	Total internal reflection fluorescence lifetime and anisotropy screening of cell membrane dynamics. <b>2008</b> , 13, 041317	7
2024	Decreasing photobleaching by silver nanoparticles on metal surfaces: application to muscle myofibrils. <b>2008</b> , 13, 014023	9
2023	Long-Wavelength and Near-Infrared Fluorescence: State of the Art, Future Applications, and Standards. <b>2008</b> , 147-162	9
2022	Zinc porphyrin: a fluorescent acceptor in studies of Zn-cytochrome c unfolding by fluorescence resonance energy transfer. <b>2008</b> , 105, 10779-84	33
2021	Analysis of orientational dynamics of single fluorophore trajectories from three-angle polarization experiments. <b>2008</b> , 128, 244501	18
2020	High-purity white light from a simple single dopant host-guest white organic light-emitting diode architecture. <b>2008</b> , 93, 163302	27
2019	Developing new nano-materials for use as pressure-sensitive coatings. <b>2008</b> , 19, 095201	3
2018	Decay dynamics of quantum dots influenced by the local density of optical states of two-dimensional photonic crystal membranes. <b>2008</b> , 93, 094102	19
2017	Lactococcus lactis as expression host for the biosynthetic incorporation of tryptophan analogues into recombinant proteins. <b>2008</b> , 409, 193-8	17
2016	Single Molecule Detection, Analysis, and Manipulation. <b>2008</b> ,	2
2015	RNA intramolecular dynamics by single-molecule FRET. <b>2008</b> , Chapter 11, Unit 11.12	15
2014	Photoluminescence and Electroluminescence, Solid State. <b>2008</b> ,	
2013	Heterogeneous transition metal-based fluorescence polarization (HTFP) assay for probing protein interactions. <b>2009</b> , 47, 837-44	5
2012	Selective and irreversible inhibitors of mosquito acetylcholinesterases for controlling malaria and other mosquito-borne diseases. <b>2009</b> , 4, e6851	27
2011	Laser scanning confocal microscope with programmable amplitude, phase, and polarization of the illumination beam. <b>2009</b> , 80, 013705	20
2010	A luminescence lifetime assisted ratiometric fluorimeter for biological applications. <b>2009</b> , 80, 124302	11
2009	Silver half-shell arrays with controlled plasmonic response for fluorescence enhancement optimization. <b>2009</b> , 95, 193110	50

2008 Macroscopic fluorescent lifetime imaging in turbid media using angular filter arrays. **2009**, 2009, 5364-8

2007 Alprazolam intercalates into DNA. **2009**, 26, 421-9

14

2006 Structural tuning of color chromaticity through nonradiative energy transfer by interspacing CdTe nanocrystal monolayers. **2009**, 94, 061105

37

2005 Optically active bi-polymer hetero-nanoparticles. **2009**,

2004 Optically tandem thin film solar cells. **2009**,

2003 Highly efficient nonradiative energy transfer using charged CdSe/ZnS nanocrystals for light-harvesting in solution. **2009**, 95, 033106

22

2002 Resonant energy transfer from silicon nanocrystals to iodine molecules. **2009**, 79,

2

2001 Optoelectronic sensitization of carbon nanotubes by CdTe nanocrystals. **2009**, 79,

24

2000 Microbubble-enhanced ultrasound-modulated fluorescence in a turbid medium. **2009**, 95, 181113

30

1999 Opto-chemical method for ultra-low oxygen transmission rate measurement. **2009**,

2

1998 A nanoscale ruler by use of fluorescence resonance energy transfer and DNA nano-structure. **2009**,

1997 Early events associated with the excited state proton transfer in 2-(2'-pyridyl)benzimidazole. **2009**, 131, 034504

22

1996 Short-distance probes for protein backbone structure based on energy transfer between bimeane and transition metal ions. **2009**, 106, 16227-32

62

1995 Sensitivity of fluorophore-quencher labeled microbubbles to externally applied static pressure. **2009**, 36, 3455-69

5

1994 Lateral distribution of the transmembrane domain of influenza virus hemagglutinin revealed by time-resolved fluorescence imaging. **2009**, 284, 15708-16

66

1993 Structural plasticity of an acid-activated chaperone allows promiscuous substrate binding. **2009**, 106, 5557-62

90

1992 Characterization of fluorescent sterol binding to purified human NPC1. **2009**, 284, 1840-52

54

1991 Molecular Fluorescence. **2009**, 477-531

22

1990	Highly Selective Ratiometric Fluorescent Sensor for La(III) Ion Based on a New Schiff's Base. <b>2009</b> , 42, 1029-1040	24
1989	The pressure-temperature phase diagram of hen lysozyme at low pH. <b>2009</b> , 5, 1-9	25
1988	Two-photon absorbing nanocrystal sensors for ratiometric detection of oxygen. <b>2009</b> , 131, 12994-3001	101
1987	Probing the conformation of the fibronectin III1-2 domain by fluorescence resonance energy transfer. <b>2009</b> , 284, 3445-52	22
1986	Enhancement of Photovoltaic Device Performance in Close-Packed Nanowire Excitonic Solar Cells by Förster Resonance Energy Transfer (FRET). <b>2009</b> , 1208, 1	
1985	Plasmon enhanced colloidal nanocrystal composites incorporating Au nanoparticles in a repeating layered architecture. <b>2009</b> ,	
1984	Signal-to-noise characterization of time-gated intensifiers used for wide-field time-domain FLIM. <b>2009</b> , 42, 135103	17
1983	Stable docking of neutralizing human immunodeficiency virus type 1 gp41 membrane-proximal external region monoclonal antibodies 2F5 and 4E10 is dependent on the membrane immersion depth of their epitope regions. <b>2009</b> , 83, 10211-23	55
1982	Development of Near-Field Fluorescence Lifetime Thermometry. <b>2009</b> , 13, 77-87	3
1981	Calculation of orientational correlation functions for free anisotropic rotational diffusion revisited. <b>2009</b> , 130, 134105	6
1980	Photophysics and rotational relaxation dynamics of cationic phenazinium dyes in anionic reverse micelles: Effect of methyl substitution. <b>2009</b> , 131, 114707	21
1979	Do the interfacial fluidities of cationic reverse micelles enhance with an increase in the water content?. <b>2009</b> , 131, 174708	4
1978	Versatile electronic module for the operation of any silicon single photon avalanche diode. <b>2009</b> , 56, 317-325	2
1977	Exploring the Electrostatic Landscape of Proteins with Tryptophan Fluorescence. <b>2009</b> , 199-248	14
1976	Detection of Neurotransmitters Via Quantum Dots. <b>2009</b> , 505, 158/[396]-165/[403]	3
1975	Fluorescence Correlation Spectroscopy in Living Cells. <b>2009</b> , 217-241	2
1974	Basic concepts of optical mapping techniques in cardiac electrophysiology. <b>2009</b> , 11, 195-207	19
1973	Fully automated deconvolution method for on-line analysis of time-resolved fluorescence spectroscopy data based on an iterative Laguerre expansion technique. <b>2009</b> , 14, 024030	14



1972	Optical gain in Förster energy transfer based organic guest-host-systems. <b>2009</b> , 1197, 7	1
1971	Absence of direct cyclic nucleotide modulation of mEAG1 and hERG1 channels revealed with fluorescence and electrophysiological methods. <b>2009</b> , 284, 27989-27997	77
1970	A fluorescence lifetime-based assay for protease inhibitor profiling on human kallikrein 7. <b>2009</b> , 14, 1-9	24
1969	Vascular regeneration by local growth factor release is self-limited by microvascular clearance. <b>2009</b> , 119, 2928-35	12
1968	A CMOS Image Sensor With In-Pixel Two-Stage Charge Transfer for Fluorescence Lifetime Imaging. <b>2009</b> , 56, 214-221	43
1967	Conjugated Polyelectrolytes as Light-Up Macromolecular Probes for Heparin Sensing. <b>2009</b> , 19, 277-284	210
1966	Study of Energy Transfer and Triplet Exciton Diffusion in Hole-Transporting Host Materials. <b>2009</b> , 19, 3157-3164	60
1965	Simple and Efficient Generation of White Light Emission From Organophosphorus Building Blocks. <b>2009</b> , 19, 3625-3631	87
1964	SensLED: An Electro-Optical Active Probe for Oxygen Determination. <b>2009</b> , 21, 3483-3487	16
1963	Relative Orientation of Rigid Nitroxides by PELDOR: Beyond Distance Measurements in Nucleic Acids. <b>2009</b> , 121, 3342-3345	37
1962	Ratiometric Single-Nanoparticle Oxygen Sensors for Biological Imaging. <b>2009</b> , 121, 2779-2783	51
1961	Dual-Function Probe to Detect Protease Activity for Fluorescence Measurement and 19F MRI. <b>2009</b> , 121, 3695-3697	20
1960	Dissymmetries in fluorescence excitation and emission from single chiral molecules. <b>2009</b> , 21 Suppl 1, E265-76	18
1959	Untersuchungen zur Fluoreszenz von Lactat bei Raumtemperatur und tiefen Temperaturen. <b>2009</b> , 81, 501-504	2
1958	pH-dependent optical properties of synthetic fluorescent imidazoles. <b>2009</b> , 15, 3560-6	32
1957	2,6,8-Trisubstituted 3-hydroxychromone derivatives as fluorophores for live-cell imaging. <b>2009</b> , 15, 9417-23	24
1956	Hybrid conjugated organic oligomers consisting of oligodiacetylene and thiophene units: synthesis and optical properties. <b>2009</b> , 15, 9085-96	10
1955	A periodic mesoporous organosilica-based donor-acceptor system for photocatalytic hydrogen evolution. <b>2009</b> , 15, 13041-6	46

1954	Metal binding properties of fluorescent analogues of trichogin GA IV: a conformational study by time-resolved spectroscopy and molecular mechanics investigations. <b>2009</b> , 10, 91-7	16
1953	Making epothilones fluoresce: design, synthesis, and biological characterization of a fluorescent N12-aza-epothilone (azathilone). <b>2009</b> , 10, 2513-21	10
1952	Ordered polyelectrolyte multilayers: unidirectional FRET cascade in nanocompartmentalized polyelectrolyte multilayers. <b>2009</b> , 10, 137-43	33
1951	Triple-resonance coherent anti-stokes Raman scattering microspectroscopy. <b>2009</b> , 10, 344-7	22
1950	DCDHF fluorophores for single-molecule imaging in cells. <b>2009</b> , 10, 55-65	84
1949	Two-color two-photon excitation of intrinsic protein fluorescence: label-free observation of proteolytic digestion of bovine serum albumin. <b>2009</b> , 10, 1607-13	7
1948	Dendrimers with a pentaphenylene core: a photophysical study. <b>2009</b> , 10, 265-9	5
1947	Exciton diffusion in polyfluorene copolymer thin films: kinetics, energy disorder and thermally assisted hopping. <b>2009</b> , 10, 2096-104	34
1946	Site-dependent excited-state dynamics of a fluorescent probe bound to avidin and streptavidin. <b>2009</b> , 10, 1517-32	16
1945	Influence of confined water on the photophysics of dissolved solutes in reverse micelles. <b>2009</b> , 10, 2966-78	26
1944	Measurement of wheat germ agglutinin binding with a fluorescence microscope. <b>2009</b> , 75, 874-81	17
1943	Physical attachment of fluorescent protein particles to atomic force microscopy probes in aqueous media: implications for surface pH, fluorescence, and mechanical properties studies. <b>2010</b> , 73, 746-51	2
1942	Relative orientation of rigid nitroxides by PELDOR: beyond distance measurements in nucleic acids. <b>2009</b> , 48, 3292-5	171
1941	Ratiometric single-nanoparticle oxygen sensors for biological imaging. <b>2009</b> , 48, 2741-5	320
1940	Dual-function probe to detect protease activity for fluorescence measurement and <sup>19</sup> F MRI. <b>2009</b> , 48, 3641-3	123
1939	Molecular interactions of isoxazolcurcumin with human serum albumin: spectroscopic and molecular modeling studies. <b>2009</b> , 91, 108-19	105
1938	Synthesis, characterization and sol-gel entrapment of a crown ether-styryl fluoroionophore. <b>2009</b> , 24, 236-42	5
1937	Sensitive determination of protein based on the fluorescence enhancement effect of terbium (III)-epinephrine-protein-sodium dodecylsulfate system. <b>2009</b> , 24, 372-8	1

1936	Effect of disaccharides on the stabilization of bovine trypsin against detergent and autolysis. <b>2010</b> , 26, 627-35	15
1935	Fluorimetric study on the charge transfer behavior of trans-ethyl-(p-dimethylamino cinnamate) and its derivative in cyclodextrin cavities. <b>2009</b> , 63, 335-345	11
1934	Sensing abilities of materials prepared by sol-gel technology. <b>2009</b> , 50, 201-215	39
1933	Probing the dynamics of domain III of human serum albumin entrapped in sol-gel derived silica using a Sudlow site II specific fluorescent ligand. <b>2009</b> , 50, 184-193	6
1932	Wide-field photon counting fluorescence lifetime imaging microscopy: application to photosynthesizing systems. <b>2009</b> , 102, 157-68	21
1931	Introduction to optical methods in photosynthesis. <b>2009</b> , 101, 93-104	6
1930	Ultrafast transient absorption spectroscopy: principles and application to photosynthetic systems. <b>2009</b> , 101, 105-18	455
1929	Effect of capsaicin on ligand binding activity of the hippocampal serotonin1A receptor. <b>2009</b> , 26, 733-8	9
1928	PARAFAC analysis of the quenching of EEM of fluorescence of glutathione capped CdTe quantum dots by Pb(II). <b>2009</b> , 19, 141-9	34
1927	Terbium(III) chelate as an efficient donor for multiple-wavelength fluorescent acceptors. <b>2009</b> , 19, 159-64	22
1926	Thermodynamics, conformation and active sites of the binding of Zn-Nd hetero-bimetallic Schiff base to bovine serum albumin. <b>2009</b> , 19, 317-26	72
1925	An evaluation of a fluorometric method for determining binding parameters of drug-carrier complexes using mathematical models based on total drug concentration. <b>2009</b> , 19, 747-53	7
1924	A study of the interaction between malachite green and lysozyme by steady-state fluorescence. <b>2009</b> , 19, 783-91	44
1923	Fluorescence spectroscopic properties analysed within the extended Förster theory with application to biomacromolecular systems. <b>2009</b> , 19, 837-45	2
1922	Luminescent donor-acceptor beta-diketones: modulation of emission by solvent polarity and group II metal binding. <b>2009</b> , 19, 881-9	15
1921	A systematic study on fluorescence enhancement under single-photon pulsed illumination. <b>2009</b> , 19, 931-7	7
1920	Studying the interaction of pirarubicin with DNA and determining pirarubicin in human urine samples: combining excitation-emission fluorescence matrices with second-order calibration methods. <b>2009</b> , 19, 955-66	40
1919	Two-color two-photon fluorescence laser scanning microscopy. <b>2009</b> , 19, 1037-43	25

1918	Fluorescence interaction and determination of calf thymus DNA with two ethidium derivatives. <b>2009</b> , 19, 1045-51	33
1917	An anionic porphyrin binds beta-lactoglobulin A at a superficial site rich in lysine residues. <b>2009</b> , 28, 1-13	8
1916	Interaction of Fluorescein with Felodipine: A Spectrofluorometric and Thermodynamic Study. <b>2009</b> , 38, 619-628	16
1915	Fluorescence lifetime imaging of endogenous fluorophores in histopathology sections reveals differences between normal and tumor epithelium in carcinoma in situ of the breast. <b>2009</b> , 53, 145-57	102
1914	Distance dependence of fluorescence resonance energy transfer. <b>2009</b> , 121, 777-787	55
1913	Luminescence resonance energy transfer based on $\text{NaYF}_4:\text{Yb,Er}$ nanoparticles and TRITC dye. <b>2009</b> , 52, 1590-1595	15
1912	Self-assembly of insulated molecular wires of a watersoluble cationic PPV and anionic dendrons. <b>2009</b> , 54, 2451-2456	3
1911	The potential of optical proteomic technologies to individualize prognosis and guide rational treatment for cancer patients. <b>2009</b> , 4, 235-52	46
1910	Temperature measurement of microfluids with high temporal resolution by laser-induced fluorescence. <b>2009</b> , 23, 1821-1828	9
1909	Improved peptidyl linkers for self-assembly of semiconductor quantum dot bioconjugates. <b>2009</b> , 2, 121-129	36
1908	Label-free fluorescence detection in capillary and microchip electrophoresis. <b>2009</b> , 393, 515-25	49
1907	Measurement of multi-exponential optical decay processes by phase-shift cavity ring-down. <b>2009</b> , 96, 193-200	14
1906	[Comparison of parameters of time-resolved autofluorescence between healthy subjects and patients suffering from early AMD]. <b>2009</b> , 106, 714-22	39
1905	Substrate directs enzyme dynamics by bridging distal sites: UDP-galactopyranose mutase. <b>2009</b> , 74, 972-9	21
1904	The pH sensitivity of histidine-containing lytic peptides. <b>2009</b> , 15, 790-5	28
1903	Single-molecule investigations of a photoswitchable nanodevice. <b>2009</b> , 5, 1169-75	12
1902	Tuning band offsets of core/shell CdS/CdTe nanocrystals. <b>2009</b> , 5, 2403-6	30
1901	Quantitative CARS microscopic detection of analytes and their isotopomers in a two-channel microfluidic chip. <b>2009</b> , 5, 2816-8	33

1900	Dye, fluorophores and pigment coloration of nanofibers produced by electrospinning. <b>2009</b> , 20, 111-121	22
1899	Fluorescent dendritic polymers and nanostructured coatings for the detection of chemical warfare agents and other analytes. <b>2009</b> , 47, 5101-5115	15
1898	Dissection of a beta-barrel motif leads to a functional dimer: the case of the intestinal fatty acid binding protein. <b>2009</b> , 18, 2592-602	6
1897	Fluorescence resonance energy transfer (FRET)-based subcellular visualization of pathogen-induced host receptor signaling. <b>2009</b> , 7, 81	11
1896	The major antennal chemosensory protein of red imported fire ant workers. <b>2009</b> , 18, 395-404	63
1895	Robust approaches to quantitative ratiometric FRET imaging of CFP/YFP fluorophores under confocal microscopy. <b>2009</b> , 233, 192-204	22
1894	Polymer nanofibre junctions of attolitre volume serve as zeptomole-scale chemical reactors. <b>2009</b> , 1, 80-6	75
1893	Determination of supramolecular structure and spatial distribution of protein complexes in living cells. <b>2009</b> , 3, 107-113	83
1892	Imaging biological structures with fluorescence photoactivation localization microscopy. <b>2009</b> , 4, 291-308	148
1891	Techniques for EPR spectroscopy of pulsed electron double resonance (PELDOR): A review. <b>2009</b> , 52, 615-636	32
1890	Direct observation of proton transfer from the excited S <sub>2</sub> state in the 3-hydroxyflavone molecule. <b>2009</b> , 106, 350-354	2
1889	Separation of a weak fluorescence signal of 3-hydroxyflavone using dynamic quenching. <b>2009</b> , 106, 355-358	2
1888	Reabsorption of laser-induced fluorescence in a plant canopy: Stochastic model. <b>2009</b> , 106, 514-519	4
1887	Effect of temperature and dynamic fluorescence quenching on proton transfer in 3-hydroxyflavone. <b>2009</b> , 107, 87-94	5
1886	Multimodal polarization system for imaging skin cancer. <b>2009</b> , 107, 884-890	32
1885	Polyglutamine disruption of the huntingtin exon 1 N terminus triggers a complex aggregation mechanism. <b>2009</b> , 16, 380-9	336
1884	Structure of the atrial natriuretic peptide receptor extracellular domain in the unbound and hormone-bound states by single-particle electron microscopy. <b>2009</b> , 276, 1347-55	13
1883	Photophysical properties of coumarin-7 dye: role of twisted intramolecular charge transfer state in high polarity protic solvents. <b>2009</b> , 85, 119-29	60

1882	Quantitative FRET analysis with the EGFP-mCherry fluorescent protein pair. <b>2009</b> , 85, 287-97	98
1881	Photosensitized effects of Rose Bengal on structure and function of lens protein "alpha-crystallin". <b>2009</b> , 85, 1306-13	4
1880	Application of fluorescence lifetime measurements on single petroleum-bearing fluid inclusions to demonstrate multicharge history in petroleum reservoirs. <b>2009</b> , 9, 330-337	12
1879	Highly water-soluble, OFF-ON, dual fluorescent probes for sodium and potassium ions. <b>2009</b> , 50, 2459-2461	33
1878	DNA binding studies of 2-tert-butylhydroquinone (TBHQ) food additive. <b>2009</b> , 116, 743-747	96
1877	Ground and excited state proton transfer and antioxidant activity of 7-hydroxyflavone in model membranes: absorption and fluorescence spectroscopic studies. <b>2009</b> , 139, 29-36	42
1876	Photoluminescence and Förster Resonance Energy Transfer in Elemental Bundles of Single-Walled Carbon Nanotubes. <b>2009</b> , 113, 7536-7540	63
1875	Bimetallic N-heterocyclic carbene-iridium complexes: investigating metal-metal and metal-ligand communication via electrochemistry and phosphorescence spectroscopy. <b>2009</b> , 48, 6924-33	97
1874	Study of diffusion of organic dyes in a triblock copolymer micelle and gel by fluorescence correlation spectroscopy. <b>2009</b> , 4, 948-54	50
1873	Supramolecular surface modification and solubilization of single-walled carbon nanotubes with cyclodextrin complexation. <b>2009</b> , 4, 1562-72	17
1872	Studies on CdSe/l-cysteine Quantum Dots Synthesized in Aqueous Solution for Biological Labeling. <b>2009</b> , 113, 7670-7676	84
1871	Aluminum nanoparticles as substrates for metal-enhanced fluorescence in the ultraviolet for the label-free detection of biomolecules. <b>2009</b> , 81, 1397-403	171
1870	Violet ZnSe/ZnS as an alternative to green CdSe/ZnS in nanocrystal-fluorescent protein FRET systems. <b>2009</b> , 20, 1237-41	16
1869	Fluorescence lifetime images of green fluorescent protein in HeLa cells during TNF-alpha induced apoptosis. <b>2009</b> , 8, 763-7	26
1868	Ultrahigh resolution imaging of biomolecules by fluorescence photoactivation localization microscopy. <b>2009</b> , 544, 483-522	30
1867	Construction of a Coumarin Library for Development of Fluorescent Sensors. <b>2009</b> , 441-451	1
1866	The influence of temperature and dynamic quenching on the properties of 3-hydroxyflavone excited states. <b>2009</b> , 3, 864-870	
1865	On the urea action mechanism: a comparative study on the self-assembly of two sugar-based surfactants. <b>2009</b> , 113, 7178-87	26

1864	Another treatment of fluorescence polarization microspectroscopy and imaging. <b>2009</b> , 113, 3505-16	12
1863	Singlet-singlet energy transfer in self-assembled systems of the cationic poly{9,9-bis[6-N,N,N-trimethylammonium]hexyl]fluorene-co-1,4-phenylene} with oppositely charged porphyrins. <b>2009</b> , 113, 16093-100	23
1862	Spectral signatures of intramolecular charge transfer process in beta-enaminones: a combined experimental and theoretical analysis. <b>2009</b> , 113, 10779-91	24
1861	Fluorescence properties of hemicyanine in the nanoporous materials with varying pore sizes. <b>2009</b> , 113, 966-9	21
1860	Photophysical characteristics and reactivity of bis(2,9-di-tert-butyl-1,10-phenanthroline)copper(I). <b>2009</b> , 48, 5704-14	49
1859	Single molecule spectroscopy reveals heterogeneous transport mechanisms for molecular ions in a polyelectrolyte polymer brush. <b>2009</b> , 113, 14611-8	31
1858	Polymer molecular weight-dependent unusual fluorescence probe behavior within 1-butyl-3-methylimidazolium hexafluorophosphate+poly(ethylene glycol). <b>2009</b> , 113, 7606-14	40
1857	Investigating tryptophan quenching of fluorescein fluorescence under protolytic equilibrium. <b>2009</b> , 113, 2757-67	45
1856	Kinetics of Photochromic Induced Energy Transfer between Manganese-Doped Zinc-Selenide Quantum Dots and Spiropyrans. <b>2009</b> , 113, 3998-4007	37
1855	Kinetics of association and dissociation of HIV-1 reverse transcriptase subunits. <b>2009</b> , 48, 9084-93	24
1854	Photon counting histogram analysis as a tool for studying the nature of intermolecular interactions. <b>2009</b> , 113, 3404-12	3
1853	Noncompetitive fluorescence polarization aptamer-based assay for small molecule detection. <b>2009</b> , 81, 7468-73	101
1852	Photophysics and rotational dynamics of a beta-carboline analogue in nonionic micelles: effect of variation of length of the headgroup and the tail of the surfactant. <b>2009</b> , 113, 7517-26	47
1851	The influence of internal charge transfer on nonradiative decay in substituted terthiophenes. <b>2009</b> , 113, 10202-10	20
1850	Strategy to control the chromism and fluorescence emission of a perylene dye in composite organogel phases. <b>2009</b> , 25, 11255-60	25
1849	Semisynthetic fluorescent sensor proteins based on self-labeling protein tags. <b>2009</b> , 131, 5873-84	94
1848	Amino acid transport in thermophiles: characterization of an arginine-binding protein in <i>Thermotoga maritima</i> . <b>2010</b> , 6, 142-51	17
1847	Synthesis and reversible reductive coupling of cationic, dinitrogen-derived diazoalkane complexes. <b>2009</b> , 48, 7181-93	17

- 1846 Efficient Energy Transfer between Silicon Nanoparticles and a RuPolypyridine Complex. **2009**, 113, 2235-2240 54
- 1845 Highly Fluorescent Open-Shell NIR Dyes: The Time-Dependence of Back Electron Transfer in Triarylamine-Perchlorotriphenylmethyl Radicals. **2009**, 113, 20958-20966 74
- 1844 Synthesis, photophysical behavior, and electronic structure of push-pull purines. **2009**, 131, 623-33 65
- 1843 Photophysical investigation into the self-organization in pyrene-based urethane methacrylate comb polymer. **2009**, 113, 11887-97 18
- 1842 Probing the dynamics of the P1 helix within the Tetrahymena group I intron. **2009**, 131, 9571-8 22
- 1841 Luminescent bow-tie-shaped decaaryl[60]fullerene mesogens. **2009**, 131, 17058-9 44
- 1840 Probing the excited state properties of the highly phosphorescent Pt(dpyb)Cl compound by high-resolution optical spectroscopy. **2009**, 48, 11407-14 58
- 1839 Intracavitary ligand distribution in tear lipocalin by site-directed tryptophan fluorescence. **2009**, 48, 7219-28 18
- 1838 Polyfluorophore excimers and exciplexes as FRET donors in DNA. **2009**, 20, 2371-80 44
- 1837 Triplet-state investigations of fluorescent dyes at dielectric interfaces using total internal reflection fluorescence correlation spectroscopy. **2009**, 113, 5554-66 28
- 1836 Cationic fluorene-based conjugated polyelectrolytes induce compaction and bridging in DNA. **2009**, 10, 2987-97 17
- 1835 Strategy for molecular beacon binding readout: separating molecular recognition element and signal reporter. **2009**, 81, 9703-9 52
- 1834 Photoinduced unfolding of beta-lactoglobulin mediated by a water-soluble porphyrin. **2009**, 113, 6020-30 21
- 1833 Limits on fluorescence detected circular dichroism of single helicene molecules. **2009**, 113, 6213-6 81
- 1832 Enhanced fluorescence of proteins and label-free bioassays using aluminum nanostructures. **2009**, 81, 6049-54 37
- 1831 Modifying properties of aqueous cetyltrimethylammonium bromide with external additives: ionic liquid 1-hexyl-3-methylimidazolium bromide versus cosurfactant n-hexyltrimethylammonium bromide. **2009**, 113, 786-93 86
- 1830 Synthesis, structure, and optical properties of the platinum(II) complexes of indaphyrin and thiaindaphyrin. **2009**, 48, 4067-74 15
- 1829 Anomalous photophysics of H1 antihistamines in aqueous solution. **2009**, 113, 6949-57 11



1828	Experimentation and theoretic calculation of a BODIPY sensor based on photoinduced electron transfer for ions detection. <b>2009</b> , 113, 14081-6	81
1827	Nanostructured silver-based surfaces: new emergent methodologies for an easy detection of analytes. <b>2009</b> , 1, 2909-16	28
1826	Relaxation dynamics of Pseudomonas aeruginosa Re(I)(CO) <sub>3</sub> (alpha-diimine)(HisX) <sup>+</sup> (X = 83, 107, 109, 124, 126)Cu(II) azurins. <b>2009</b> , 131, 11788-800	51
1825	Faster energy-transfer signatures in optically driven quantum dot molecules. <b>2009</b> , 79,	9
1824	Energy Transfer in Nanostructured Films Containing Poly(p-phenylene vinylene) and Acceptor Species. <b>2009</b> , 113, 10303-10306	12
1823	Ultrafast FRET in a room temperature ionic liquid microemulsion: a femtosecond excitation wavelength dependence study. <b>2009</b> , 113, 3737-43	55
1822	Bright, Red Single-Molecule Emitters: Synthesis and Properties of Environmentally Sensitive Dicyanomethylenedihydrofuran (DCDHF) Fluorophores with Bisaromatic Conjugation. <b>2009</b> , 21, 797	41
1821	Structure of the cytoplasmic loop between putative helices II and III of the mannitol permease of Escherichia coli: a tryptophan and 5-fluorotryptophan spectroscopy study. <b>2009</b> , 48, 5284-90	6
1820	Development of a new device for ultrasensitive electrochemiluminescence microscopy imaging. <b>2009</b> , 81, 6234-41	50
1819	Visible chromophore phosphines as functional elements of luminescent metallopolymers. <b>2009</b> , 48, 11483-5	23
1818	Low-Temperature Observation of Photoinduced Electron Transfer from CdTe Nanocrystals. <b>2009</b> , 113, 11464-11468	8
1817	Excited-state-proton-transfer-triggered fluorescence resonance energy transfer: from 2-naphthylamine to phenosafranin. <b>2009</b> , 113, 10460-5	18
1816	Indole adsorption to a lipid monolayer studied by optical second harmonic generation. <b>2009</b> , 113, 10693-707	18
1815	Modulation of excited-state proton-transfer reactions of 7-hydroxy-4-methylcoumarin in ionic and nonionic reverse micelles. <b>2009</b> , 113, 6736-44	29
1814	Guanidine hydrochloride-induced unfolding of the three heme coordination states of the CO-sensing transcription factor, CoxA. <b>2009</b> , 48, 6585-97	9
1813	How Gold Particles Suppress Concentration Quenching of Fluorophores Encapsulated in Silica Beads. <b>2009</b> , 113, 17669-17677	33
1812	Photophysical Properties of Cinchona Organocatalysts in Organic Solvents $\square$ <b>2009</b> , 113, 11790-11795	27
1811	Fluorescence spectroscopic investigation to identify the micelle to gel transition of aqueous triblock copolymer solutions. <b>2009</b> , 113, 5117-27	29

1810	Synthesis, Ensemble, and Single Molecule Characterization of a Diphenyl-Acetylene Linked Perylene diimide Trimer <b>2009</b> , 113, 11773-11782	27
1809	Nanopools governing proton transfer in diametrical ways in the ground and excited state. <b>2009</b> , 113, 567-73	11
1808	Systematic Studies on Emission Quenching of Cadmium Telluride Nanoparticles. <b>2009</b> , 113, 21621-21628	23
1807	Broad-band multispectral microscope for imaging transmission spectroscopy employing an array of light-emitting diodes. <b>2009</b> , 77, 104-110	18
1806	Label-free DNA detection on nanostructured Ag surfaces. <b>2009</b> , 3, 2265-73	93
1805	Quenching of the fluorescence of aromatic pterins by deoxynucleotides. <b>2009</b> , 113, 1794-9	24
1804	Collisional quenching of erythrosine B as a potential reference dye for impulse response function evaluation. <b>2009</b> , 63, 363-8	21
1803	Fluorescence intensity calibration using the Raman scatter peak of water. <b>2009</b> , 63, 936-40	633
1802	Investigations of energy migration in an organic dendrimer macromolecule for sensory signal amplification. <b>2009</b> , 113, 4763-71	50
1801	Synthesis and cytotoxicity of silicon nanoparticles with covalently attached organic monolayers. <b>2009</b> , 3, 339-347	100
1800	Generalized temperature measurement equations for Rhodamine B dye solution and its application to microfluidics. <b>2009</b> , 81, 8260-3	60
1799	Probing protein folding using site-specifically encoded unnatural amino acids as FRET donors with tryptophan. <b>2009</b> , 48, 5953-62	101
1798	Protein hydration dynamics and molecular mechanism of coupled water-protein fluctuations. <b>2009</b> , 131, 10677-91	169
1797	Multiplex charge-transfer interactions between quantum dots and peptide-bridged ruthenium complexes. <b>2009</b> , 81, 4831-9	63
1796	Near-field scanning optical microscopy measurements of fluorescent molecular probes binding to insulin amyloid fibrils. <b>2009</b> , 113, 12090-5	51
1795	Determination of the Fluorescence Quantum Yield of Quantum Dots: Suitable Procedures and Achievable Uncertainties. <b>2009</b> , 81, 6285-6294	482
1794	Seta-633 - a NIR fluorescence lifetime label for low-molecular-weight analytes. <b>2009</b> , 20, 1807-12	17
1793	Nanosecond to submillisecond dynamics in dye-labeled single-stranded DNA, as revealed by ensemble measurements and photon statistics at single-molecule level. <b>2009</b> , 113, 13917-25	27

1792	Membrane-Bound Molecular Rotors Measure Viscosity in Live Cells via Fluorescence Lifetime Imaging <b>2009</b> , 113, 11634-11642	178
1791	Effect of xanthan on the molecular mobility of amorphous sucrose detected by erythrosin B phosphorescence. <b>2009</b> , 57, 709-16	9
1790	Ultrafast energy transfer in oligofluorene-aluminum bis(8-hydroxyquinoline)acetylacetonate coordination polymers. <b>2009</b> , 131, 1787-95	49
1789	The use of PARAFAC modeling to trace terrestrial dissolved organic matter and fingerprint water masses in coastal Canadian Arctic surface waters. <b>2009</b> , 114,	111
1788	Characterizing chlorine oxidation of dissolved organic matter and disinfection by-product formation with fluorescence spectroscopy and parallel factor analysis. <b>2009</b> , 114,	37
1787	How to measure quantum yields in scattering media: Application to the quantum yield measurement of fluorescein molecules encapsulated in sub-100 nm silica particles. <b>2009</b> , 106, 094304	29
1786	Time dependent growth of the block copolymer P123 micelles near cloud point: employing heat cycling as a tool to form kinetically stable wormlike micelles. <b>2009</b> , 113, 9441-6	39
1785	Design and Synthesis of Charge-Transfer-Based Conjugated Polyelectrolytes as Multicolor Light-Up Probes. <b>2009</b> , 42, 5933-5940	78
1784	Dynamic insight into the interaction between porphyrin and G-quadruplex DNAs: time-resolved fluorescence anisotropy study. <b>2009</b> , 113, 16237-45	39
1783	Helical aromatic oligoamide foldamers as organizational scaffolds for photoinduced charge transfer. <b>2009</b> , 131, 4819-29	85
1782	A highly selective luminescent sensor for the time-gated detection of potassium. <b>2009</b> , 131, 434-5	130
1781	A FRET-based method for probing the conformational behavior of an intrinsically disordered repeat domain from <i>Bordetella pertussis</i> adenylate cyclase. <b>2009</b> , 48, 11273-82	40
1780	Practical synthesis of isomerically pure 5- and 6-carboxytetramethylrhodamines, useful dyes for DNA probes. <b>2009</b> , 20, 1673-82	25
1779	Luminescent Silica Core / Silver Shell Encapsulated with Eu(III) Complex. <b>2009</b> , 113, 19404-19410	61
1778	A quantitative protocol for dynamic measurements of protein interactions by Förster resonance energy transfer-sensitized fluorescence emission. <b>2009</b> , 6,	73
1777	Photophysical study of blue, green, and orange-red light-emitting carbazoles (1). <b>2009</b> , 74, 3341-9	87
1776	Ultrafast torsional dynamics of protein binding dye thioflavin-T in nanoconfined water pool. <b>2009</b> , 113, 8532-8	78
1775	Fluorescence spectroscopy and anisotropy in the analysis of DNA-protein interactions. <b>2009</b> , 543, 589-611	26

1774	Time dependent sphere-to-rod growth of the pluronic micelles: investigating the role of core and corona solvation in determining the micellar growth rate. <b>2009</b> , 113, 16296-302	45
1773	Label-free DNA sequence detection with enhanced sensitivity and selectivity using cationic conjugated polymers and PicoGreen. <b>2009</b> , 25, 43-7	57
1772	Squaramide hydroxamate-based chemidosimeter responding to iron(III) with a fluorescence intensity increase. <b>2009</b> , 48, 1173-82	80
1771	A new family of color-tunable light-emitting polymers with high quantum yields via the controlled oxidation of MEH-PPV. <b>2009</b> , 113, 13216-21	14
1770	Excited-state relaxation process of free-base and oxovanadium naphthalocyanine in near-infrared region. <b>2009</b> , 113, 5458-63	15
1769	Fluorescence Investigations into Complex Coacervation between Polyvinylimidazole and Sodium Alginate. <b>2009</b> , 42, 2168-2176	44
1768	Förster resonance energy transfer (FRET)-based picosecond lifetime reference for instrument response evaluation. <b>2009</b> , 20, 095601	11
1767	Lipid membranes carrying lipophilic cholesterol-based oligonucleotides--characterization and application on layer-by-layer coated particles. <b>2009</b> , 113, 16425-34	54
1766	Host-guest interaction of 1,4-dihydroxy-9,10-anthraquinone (quinizarin) with cyclodextrins. <b>2009</b> , 8, 82-90	30
1765	Improvement of inner filter effect correction based on determination of effective geometric parameters using a conventional fluorimeter. <b>2009</b> , 81, 420-6	118
1764	Nucleic acid base analog FRET-pair facilitating detailed structural measurements in nucleic acid containing systems. <b>2009</b> , 131, 4288-93	145
1763	Electron transfer-induced blinking in Ag nanodot fluorescence. <b>2009</b> , 113, 20264-20270	131
1762	Structure and properties of functionalized bithiophenesilane monodendrons. <b>2009</b> , 25, 9270-84	12
1761	Ruthenium(II) complexes of bipyridine-glycoluril and their interactions with DNA. <b>2009</b> , 20, 447-59	84
1760	Real-time monitoring of two-photon photopolymerization for use in fabrication of microfluidic devices. <b>2009</b> , 9, 819-27	32
1759	Multiprobe spectroscopic investigation of molecular-level behavior within aqueous 1-butyl-3-methylimidazolium tetrafluoroborate. <b>2009</b> , 113, 3088-98	46
1758	Using Patterned Arrays of Metal Nanoparticles to Probe Plasmon Enhanced Luminescence of CdSe Quantum Dots. <b>2009</b> , 3, 1735-44	105
1757	Hydrocarbon Fluid Inclusion Fluorescence: A Review. <b>2009</b> , 299-334	5

1756	Molecular rotor dynamics influenced by the elastic modulus of polyethylene nanocomposites. <b>2009</b> , 131, 171104	7
1755	Optical, Fluorescent, and (Photo)conductive Properties of High-Performance Functionalized Pentacene and Anthradithiophene Derivatives. <b>2009</b> , 113, 14006-14014	71
1754	Multipixel single-photon avalanche diode array for parallel photon counting applications. <b>2009</b> , 56, 326-333	33
1753	Radioactivity-synchronized fluorescence enhancement using a radionuclide fluorescence-quenched dye. <b>2009</b> , 131, 9198-200	19
1752	Microwave-assisted synthesis of thiophene fluorophores, labeling and multilabeling of monoclonal antibodies, and long lasting staining of fixed cells. <b>2009</b> , 131, 10892-900	61
1751	Photophysical studies on the noncovalent interaction of thioflavin T with cucurbit[n]uril macrocycles. <b>2009</b> , 113, 1891-8	77
1750	Role of silent polymorphisms within the dopamine D1 receptor associated with schizophrenia on D1-D2 receptor hetero-dimerization. <b>2009</b> , 61, 1024-33	13
1749	Orientation and dynamics of a novel fluorescent cholesterol analogue in membranes of varying phase. <b>2009</b> , 113, 4475-81	29
1748	Highly luminescent ultranarrow Mn doped ZnSe nanowires. <b>2009</b> , 9, 745-50	94
1747	Fluorescence of 5-arylviny-5'-methyl-2,2'-bipyridyl ligands and their zinc complexes. <b>2009</b> , 74, 8761-72	49
1746	Fluorescence lifetime of actin in the familial hypertrophic cardiomyopathy transgenic heart. <b>2009</b> , 48, 1264-71	12
1745	Fluorescent avidin-bound silver particle: a strategy for single target molecule detection on a cell membrane. <b>2009</b> , 81, 883-9	33
1744	Annexin I and annexin II N-terminal peptides binding to S100 protein family members: specificity and thermodynamic characterization. <b>2009</b> , 48, 2788-98	31
1743	Thiol-reactive derivatives of the solvatochromic 4-N,N-dimethylamino-1,8-naphthalimide fluorophore: a highly sensitive toolset for the detection of biomolecular interactions. <b>2009</b> , 20, 2133-41	47
1742	Electronic spectrum of tryptophan-phenylalanine. A correlated ab initio and time-dependent density functional theory study. <b>2009</b> , 113, 16443-8	15
1741	A SPAD-based pixel linear array for high-speed time-gated fluorescence lifetime imaging. <b>2009</b> ,	36
1740	Excited-state acidity of the 8-hydroxyacridizinium ion-a water-soluble photoacid. <b>2009</b> , 8, 309-11	6
1739	Two-photon fluorescence lifetime imaging of intracellular chloride in cockroach salivary glands. <b>2009</b> , 8, 319-27	33

1738	Plasmon-controlled fluorescence towards high-sensitivity optical sensing. <b>2009</b> , 116, 29-72	12
1737	Photosynthetic antenna-reaction center mimicry: sequential energy- and electron transfer in a self-assembled supramolecular triad composed of boron dipyrin, zinc porphyrin and fullerene. <b>2009</b> , 113, 8478-89	88
1736	Lanthanide-Doped Layered Double Hydroxides Intercalated with Sensitizing Anions: Efficient Energy Transfer between Host and Guest Layers. <b>2009</b> , 113, 17206-17214	66
1735	Excited-state dynamics of hybrid multichromophoric systems: toward an excitation wavelength control of the charge separation pathways. <b>2009</b> , 113, 8202-12	71
1734	. <b>2009</b> ,	9
1733	Fluorescence Spectroscopy. <b>2009</b> , 1-48	
1732	Electrophysiological Measurements of Membrane Proteins. <b>2009</b> , 1-35	
1731	Nanoparticle metrology standards based on the time-resolved fluorescence anisotropy of silica colloids. <b>2009</b> , 20, 025310	14
1730	DNA wrapping is required for DNA damage recognition in the Escherichia coli DNA nucleotide excision repair pathway. <b>2009</b> , 106, 12849-54	45
1729	A General Fluorescence Resonance Energy Transfer (FRET) Method for Observation and Quantification of Organometallic Complexes under Reaction Conditions. <b>2009</b> , 28, 4643-4645	20
1728	Merocyanine dyes: synthesis, structure, properties and applications. <b>2009</b> , 78, 141-164	166
1727	Monomer-dimer equilibrium in glutathione transferases: a critical re-examination. <b>2009</b> , 48, 10473-82	68
1726	Photodynamic molecular beacon triggered by fibroblast activation protein on cancer-associated fibroblasts for diagnosis and treatment of epithelial cancers. <b>2009</b> , 52, 358-68	92
1725	Nanoparticle strategies for enhancing the sensitivity of fluorescence-based biochips. <b>2009</b> , 4, 645-56	30
1724	Novel fluorescent polymer for trace explosive detection. <b>2009</b> ,	
1723	Novel dansyl-appended calix[4]arene frameworks: fluorescence properties and mercury sensing. <b>2009</b> , 7, 269-79	75
1722	Activatable molecular systems using homologous near-infrared fluorescent probes for monitoring enzyme activities in vitro, in cellulose, and in vivo. <b>2009</b> , 6, 416-27	41
1721	Structure and spectroscopy of oxyluciferin, the light emitter of the firefly bioluminescence. <b>2009</b> , 131, 11590-605	155

1720	Quantum dot-based resonance energy transfer and its growing application in biology. <b>2009</b> , 11, 17-45	498
1719	Circularly polarized luminescence in enantiopure europium and terbium complexes with modular, all-oxygen donor ligands. <b>2009</b> , 48, 8469-79	40
1718	Resonance Energy Transfer Between Luminescent Quantum Dots and Diverse Fluorescent Protein Acceptors. <b>2009</b> , 113, 18552-18561	101
1717	Malachite Nanoparticle: A New Basic Hydrophilic Surface for pH-Controlled Adsorption of Bovine Serum Albumin with a High Loading Capacity. <b>2009</b> , 113, 15667-15675	33
1716	Fluorescence lifetime multiplexing with nanocrystals and organic labels. <b>2009</b> , 81, 7807-13	47
1715	Optical Analysis of Chromophoric Dissolved Organic Matter. <b>2009</b> ,	0
1714	Interaction of DNA minor groove binder Hoechst 33258 with bovine serum albumin. <b>2009</b> , 57, 481-6	34
1713	Development of a New Corrosion Management Tool - Inhibitor Micelle Presence as an Indicator of Optimum Dose. <b>2010</b> ,	1
1712	Synthesis of Novel Polyamine Fluorescence Sensors. <b>2010</b> , 57, 612-615	
1711	Influence of Annealing on Excitation of Terbium Luminescence in YAlO <sub>3</sub> Films Deposited onto Porous Anodic Alumina. <b>2010</b> , 157, H628	36
1710	Absorption and Luminescence Probes. <b>2010</b> ,	
1709	Fluorescence and absorption properties of chromophoric dissolved organic matter (CDOM) in coastal surface waters of the northwestern Mediterranean Sea, influence of the Rhône River. <b>2010</b> , 7, 4083-4103	115
1708	Survey of Fundamental Image Processing Operators. <b>2010</b> , 23-69	
1707	Measurement and Instrumentation. <b>2010</b> , 27-68	
1706	Osmolyte changes the binding affinity and mode of interaction of minor groove binder hoechst 33258 with calf thymus DNA. <b>2010</b> , 58, 1447-54	8
1705	Proton transfer in 3-hydroxyflavone: The influence of physical excitation conditions and dynamic quenching. <b>2010</b> , 84, 109-117	3
1704	Fluorescence study on the interaction of bovine serum albumin with two coumarin derivatives. <b>2010</b> , 65, 382-387	14
1703	A film luminescent nanosensor based on a quantum dot-organic molecule complex. <b>2010</b> , 5, 49-57	1

1702	Green-fluorescent protein from the bioluminescent jellyfish <i>Clytia gregaria</i> : cDNA cloning, expression, and characterization of novel recombinant protein. <b>2010</b> , 9, 757-65	35
1701	Improved vapor sensitivity by rationally designing fluorescent turn-on sensors. <b>2010</b> , 82, 6487-94	7
1700	Fluorescence resonance energy transfer between quantum dots and graphene oxide for sensing biomolecules. <b>2010</b> , 82, 5511-7	694
1699	Sonochemical synthesis of highly fluorescent ag nanoclusters. <b>2010</b> , 4, 3209-14	323
1698	Fluorescent analogs of biomolecular building blocks: design, properties, and applications. <b>2010</b> , 110, 2579-619	665
1697	Optimization of the Coupling of Target Recognition and Signal Generation. <b>2010</b> , 41-106	5
1696	A Highly Sensitive Quinoline-Containing Rhodamine B Thiohydrazide Based Fluorescent Probe for Hg <sup>2+</sup> in Aqueous Solution and Living Cells. <b>2010</b> , 43, 2751-2761	10
1695	Integrated fluorescence sensor based on ring-shaped organic photodiodes. <b>2010</b> , 4, 157-159	14
1694	Imaging and photodynamic therapy: mechanisms, monitoring, and optimization. <b>2010</b> , 110, 2795-838	1670
1693	Diffusion of organic dyes in immobilized and free cationic vesicles. <b>2010</b> , 114, 15506-11	46
1692	Glucose-based fluorescent low-molecular mass compounds: creation of simple and versatile supramolecular gelators. <b>2010</b> , 26, 5909-17	95
1691	Hydrogen-bonding induced cooperative effect on the energy transfer in helical polynorbornenes appended with porphyrin-containing amidic alanine linkers. <b>2010</b> , 5, 1425-38	1
1690	Ladder-type pi-conjugated 4-hetero-1,4-dihydrophosphinines: a structure-property study. <b>2010</b> , 5, 1918-29	35
1689	Multicolor Conjugate Polyelectrolyte/Peptide Complexes as Self-Assembled Nanoparticles for Receptor-Targeted Cellular Imaging. <b>2010</b> , 22, 6736-6741	57
1688	Energy Transfer between Confined Dye and Surface Attached Au Nanoparticles of Mesoporous Silica. <b>2010</b> , 114, 707-714	39
1687	Luminescent chemosensors based on silica nanoparticles. <b>2011</b> , 300, 93-138	43
1686	Lanthanide luminescence for biomedical analyses and imaging. <b>2010</b> , 110, 2729-55	2054
1685	A fluorescence perspective on the differential interaction of riboflavin and flavin adenine dinucleotide with cucurbit[7]uril. <b>2010</b> , 114, 10717-27	25



1684	Spectral Signature of Ripening in the Seeds of Chilli ( <i>Capsicum annum</i> L.). <b>2010</b> , 43, 163-166	5
1683	Luminescent, redox-active diphenothiazine dumbbells expanded by conjugated arenes and heteroarenes. <b>2010</b> , 75, 8591-603	13
1682	Bacterial melanin interacts with double-stranded DNA with high affinity and may inhibit cell metabolism in vivo. <b>2010</b> , 192, 321-9	27
1681	Optimization of a solid-phase extraction procedure in the fluorimetric determination of sulfonamides in milk using the second-order advantage of PARAFAC and D-optimal design. <b>2010</b> , 396, 923-35	10
1680	Enhancing the analytical performance of immunoassays that employ metal-enhanced fluorescence. <b>2010</b> , 396, 1127-34	39
1679	Evaluation of the derivatives of phosphorescent Pt-coproporphyrin as intracellular oxygen-sensitive probes. <b>2010</b> , 396, 1793-803	18
1678	Capillary electrophoresis frontal analysis for the study of flavonoid interactions with human serum albumin. <b>2010</b> , 397, 2211-9	17
1677	Determination of salbutamol using R-phycoerythrin immobilized on eggshell membrane surface as a fluorescence probe. <b>2010</b> , 397, 3015-22	17
1676	Direct detection of $\Delta$ -tetrahydrocannabinol in aqueous samples using a homogeneous increasing fluorescence immunoassay (HiFi). <b>2010</b> , 398, 2133-40	8
1675	Application of FLIM-FIDSAM for the in vivo analysis of hormone competence of different cell types. <b>2010</b> , 398, 1919-25	12
1674	Fiber-optic pH detection in small volumes of biosamples. <b>2010</b> , 398, 1883-9	23
1673	Exploring the structure of the N-terminal domain of CP29 with ultrafast fluorescence spectroscopy. <b>2010</b> , 39, 631-8	3
1672	Conformational studies of peptides representing a segment of TM7 from H <sup>+</sup> -VO-ATPase in SDS micelles. <b>2010</b> , 39, 639-46	6
1671	Quantification of protein-lipid selectivity using FRET. <b>2010</b> , 39, 565-78	35
1670	Profiling of dynamics in protein-lipid-water systems: a time-resolved fluorescence study of a model membrane protein with the label BADAN at specific membrane depths. <b>2010</b> , 39, 647-56	16
1669	Interaction of hnRNP A1 with telomere DNA G-quadruplex structures studied at the single molecule level. <b>2010</b> , 39, 1343-50	23
1668	Exploring tryptophan dynamics in acid-induced molten globule state of bovine alpha-lactalbumin: a wavelength-selective fluorescence approach. <b>2010</b> , 39, 1453-63	41
1667	Fluorescence properties of biochemicals in dry NaCl composite aerosol particles and in solutions. <b>2010</b> , 99, 841-851	9

- 1666 Micropolarity and microviscosity of Pluronic L62 and L64 core-shell aggregates in water at various concentrations and additives examined by absorption and fluorescence probes. **2010**, 288, 1173-1184 16
- 1665 Biological assays and noncovalent interactions of pyridine-2-carbaldehyde thiosemicarbazone-copper(II) drugs with [poly(dA-dT)](2), [poly(dG-dC)] (2), and calf thymus DNA. **2010**, 15, 515-32 33
- 1664 Comparison of pulsed-excitation and phase-modulation methods for estimating fluorescence lifetime values using a convolved-autoregressive model and a high-gain photomultiplier tube. **2010**, 17, 513-518 2
- 1663 Biological activation of heteropoly complex of molybdo-tungstosilicate containing lanthanum K10H<sub>3</sub>La(SiMo<sub>6</sub>W<sub>5</sub>O<sub>39</sub>)<sub>2</sub>·26H<sub>2</sub>O: spectroscopic approach and microcalorimetry. **2010**, 135, 314-24 3
- 1662 A series of novel rare Earth molybdo-tungstosilicate heteropolyoxometalates binding to bovine serum albumin: spectroscopic approach. **2010**, 136, 8-17 13
- 1661 Nanostructured Silver Substrates With Stable and Universal SERS Properties: Application to Organic Molecules and Semiconductor Nanoparticles. **2009**, 5, 403-9 30
- 1660 Vanillin phosphorescence as a probe of molecular mobility in amorphous sucrose. **2010**, 20, 125-33 6
- 1659 Fluorescent properties of a hybrid cadmium sulfide-dendrimer nanocomposite and its quenching with nitromethane. **2010**, 20, 143-51 26
- 1658 Monitoring membrane protein conformational heterogeneity by fluorescence lifetime distribution analysis using the maximum entropy method. **2010**, 20, 407-13 19
- 1657 Solvatochromic effect in the optical spectra of calcofluor and its relation to fluorescent staining of yeast cell walls. **2010**, 20, 343-52 9
- 1656 Monitoring local unfolding of bovine serum albumin during denaturation using steady-state and time-resolved fluorescence spectroscopy. **2010**, 20, 441-52 37
- 1655 Laurdan spectrum decomposition as a tool for the analysis of surface bilayer structure and polarity: a study with DMPG, peptides and cholesterol. **2010**, 20, 473-82 36
- 1654 Determinations of uranium(VI) binding properties with some metalloproteins (transferrin, albumin, metallothionein and ferritin) by fluorescence quenching. **2010**, 20, 581-90 84
- 1653 Novel fluorophores as building blocks for optical probes for in vivo near infrared fluorescence (NIRF) imaging. **2010**, 20, 681-93 40
- 1652 Spectroscopic detection of tetracationic porphyrin H-aggregation on polyanionic matrix of inorganic polyphosphate. **2010**, 20, 695-702 19
- 1651 Dynamics of bacteriophage R17 probed with a long-lifetime Ru(II) metal-ligand complex. **2010**, 20, 713-8 3
- 1650 Interaction of imidacloprid with hemoglobin by fluorescence and circular dichroism. **2010**, 20, 753-62 40
- 1649 Effect of solvent polarity on the fluorescence quenching of biologically active 5BAMC by aniline in binary solvent mixtures. **2010**, 20, 1175-80 38

1648	Fluorescence spectroscopic determination of the critical aggregation concentration of the GnRH antagonists Cetrorelix, Teverelix and Ozarelix. <b>2010</b> , 20, 1233-40	6
1647	Unusual light spectroscopic properties of a 2-pyridone-based multi-ring-fused fluorescent scaffold. <b>2010</b> , 20, 1249-53	2
1646	Studies of interaction between cyanine dye T-284 and fibrillar alpha-synuclein. <b>2010</b> , 20, 1267-74	10
1645	Affinity and specificity of ciprofloxacin-bovine serum albumin interactions: spectroscopic approach. <b>2010</b> , 29, 234-41	22
1644	Heat, pH induced aggregation and surface hydrophobicity of <i>S. cerevesiae</i> Ssa1 protein. <b>2010</b> , 29, 501-8	13
1643	Fluorescence Quenching Studies of the Interaction Between Riboflavin and Norfloxacin and Analytical Application in the Determination of Vitamin B2. <b>2010</b> , 39, 97-106	8
1642	Spectroscopic Studies on the Interaction of 2,4-Dichlorophenol with Bovine Serum Albumin. <b>2010</b> , 39, 495-510	16
1641	Investigation of the Interaction Between Ofloxacin and Bovine Serum Albumin: Spectroscopic Approach. <b>2010</b> , 39, 709-717	25
1640	Fluorescence spectra of blood plasma treated with ultraviolet irradiation in vivo. <b>2010</b> , 77, 574-581	3
1639	Photophysical behaviour of 2-(dimethylamino)-fluorene in organised assemblies. <b>2010</b> , 66, 307-314	2
1638	Fluorescence characterization of the natural organic matter in deep ground waters from the Canadian Shield, Ontario, Canada. <b>2010</b> , 286, 699-705	6
1637	Binding of berberine to bovine serum albumin: spectroscopic approach. <b>2010</b> , 37, 3827-32	58
1636	Synthesis and optical properties of organic semiconductor: zirconia nanocomposites. <b>2010</b> , 12, 2541-2551	7
1635	Donor-acceptor complexes of dipyrrolylmethenes with boron trifluoride as intermediates in the synthesis of Bodipy. <b>2010</b> , 59, 1890-1895	8
1634	. <b>2010</b> , 16, 927-940	16
1633	Multiphoton Microscopy of Live Tissues With Ultraviolet Autofluorescence. <b>2010</b> , 16, 516-523	22
1632	Conformational dynamics of actin: effectors and implications for biological function. <b>2010</b> , 67, 609-29	36
1631	Excited-state dynamics of the metal string complex $\text{Co}_3(\text{dpa})_4(\text{NCS})_2$ from femtosecond transient absorption spectra. <b>2010</b> , 11, 466-73	13

1630	Role of the surfactant structure in the behavior of hydrophobic ionic liquids within aqueous micellar solutions. <b>2010</b> , 11, 1044-52	33
1629	Exploring reversible quenching of fluorescence from a pyrazolo[3,4-b]quinoline derivative by protonation. <b>2010</b> , 11, 2623-9	9
1628	Self-probing of micellization within phenyl-containing surfactant solutions. <b>2010</b> , 11, 2510-3	7
1627	Luminescence enhancement of organic nanoparticles induced by photocrosslinking. <b>2010</b> , 11, 3089-92	3
1626	Molecular encapsulation of fluorescent dyes affords efficient narrow-band dye laser operation in water. <b>2010</b> , 11, 3333-8	56
1625	Time-resolved microscopy for imaging lanthanide luminescence in living cells. <b>2010</b> , 77, 1113-25	62
1624	Synthesis, Characterization and Luminescence Properties of Dipyrindin-2-ylamine Ligands and Their Bis(2,2'-bipyridyl)ruthenium(II) Complexes and Labelling Studies of Papain from Carica papaya. <b>2010</b> , 2010, 5087-5095	5
1623	Click Chemistry to Fluorescent Amino Esters: Synthesis and Spectroscopic Studies. <b>2010</b> , 2010, 2395-2405	24
1622	Synthesis and Characterization of a Multi Ring-Fused 2-Pyridone-Based Fluorescent Scaffold. <b>2010</b> , 2010, 6171-6178	16
1621	Lamp-based wavelength-resolved fluorescence detection for protein capillary electrophoresis: setup and detector performance. <b>2010</b> , 31, 2861-8	14
1620	Sensitized phosphorescence as detection method for the enantioseparation of bupropion by capillary electrophoresis. <b>2010</b> , 31, 3928-36	19
1619	Enhancement of Aggregation-Induced Emission in Dye-Encapsulating Polymeric Micelles for Bioimaging. <b>2010</b> , 20, 1413-1423	198
1618	Cooperative Near-Field Surface Plasmon Enhanced Quantum Dot Nanoarrays. <b>2010</b> , 20, 2675-2682	24
1617	A Molecular Brush Approach to Enhance Quantum Yield and Suppress Nonspecific Interactions of Conjugated Polyelectrolyte for Targeted Far-Red/Near-Infrared Fluorescence Cell Imaging. <b>2010</b> , 20, 2770-2777	126
1616	Optical pH Sensor with Rapid Response Based on a Fluorescein-Intercalated Layered Double Hydroxide. <b>2010</b> , 20, 3856-3863	106
1615	Cationic oligofluorene-substituted polyhedral oligomeric silsesquioxane as light-harvesting unimolecular nanoparticle for fluorescence amplification in cellular imaging. <b>2010</b> , 22, 643-6	93
1614	Nucleic acid diagnostic FRET particles based on layer-by-layer technology. <b>2010</b> , 22, 3548-52	10
1613	Conjugated oligoelectrolyte harnessed polyhedral oligomeric silsesquioxane as light-up hybrid nanodot for two-photon fluorescence imaging of cellular nucleus. <b>2010</b> , 22, 4186-9	89

1612	Proton Transfer Reactions in the Excited Electronic State. <b>2010</b> , 463-523	10
1611	Probing Dynamic Heterogeneity in Nanoconfined Systems: The Femtosecond Excitation Wavelength Dependence and Fluorescence Correlation Spectroscopy. <b>2010</b> , 159-174	2
1610	Fluorescence Studies of the Hydrogen Bonding of Excited-State Molecules within Supramolecular Host-Guest Inclusion Complexes. <b>2010</b> , 175-191	
1609	References. <b>2010</b> , 587-673	
1608	A novel fluorescent probe for retaining galactosyltransferases. <b>2010</b> , 11, 1392-8	17
1607	Aggregation-controlled excimer emission from anthracene-containing polyamidoamine dendrimers. <b>2010</b> , 16, 3699-706	69
1606	Trihydroxytrioxatriangulene--an extended fluorescein and a ratiometric pH sensor. <b>2010</b> , 16, 2992-6	36
1605	Identifying the bond responsible for the fluorescence modulation in an amyloid fibril sensor. <b>2010</b> , 16, 9257-63	43
1604	Large porphyrin squares from the self-assembly of meso-triazole-appended L-shaped meso-meso-linked Zn(II)-triporphyrins: synthesis and efficient energy transfer. <b>2010</b> , 16, 5052-61	41
1603	Multichromophoric phthalocyanine-(perylene)diimide(8) molecules: a photophysical study. <b>2010</b> , 16, 10021-9	22
1602	Surprising properties of a furo-furanone. <b>2010</b> , 16, 11289-99	18
1601	On the design of fluorescent ratiometric nanosensors. <b>2010</b> , 16, 10290-9	91
1600	Electrochemical synthesis and characterisation of alternating tripyridyl-dipyrrole molecular strands with multiple nitrogen-based donor-acceptor binding sites. <b>2010</b> , 16, 11876-89	10
1599	Trifluoromethyl-substituted conjugated oligoelectrolytes. <b>2010</b> , 16, 11028-36	1
1598	Quasi-one-dimensional electronic systems formed from boron dipyrromethene (BODIPY) dyes. <b>2010</b> , 16, 11942-53	34
1597	A micelle-based chemosensing ensemble for the fluorimetric detection of chloride in water. <b>2010</b> , 16, 8291-5	26
1596	Studies toward an ideal fluorescence method to measure palladium in functionalized organic molecules: effects of sodium borohydride, temperature, phosphine ligand, and phosphate ions on kinetics. <b>2010</b> , 16, 13500-8	45
1595	Controlling optical properties and function of BODIPY by using asymmetric substitution effects. <b>2010</b> , 16, 14094-105	33

1594	Lumineszierende Kohlenstoff-Nanopunkte: Nanolichtquellen mit Zukunft. <b>2010</b> , 122, 6876-6896	158
1593	Detection of Kinase Activity Using Versatile Fluorescence Quencher Probes. <b>2010</b> , 122, 5039-5043	11
1592	Detection of Ethylene Gas by Fluorescence Turn-On of a Conjugated Polymer. <b>2010</b> , 122, 9056-9059	25
1591	Luminescent carbon nanodots: emergent nanolights. <b>2010</b> , 49, 6726-44	3586
1590	Detection of kinase activity using versatile fluorescence quencher probes. <b>2010</b> , 49, 4919-23	47
1589	Detection of ethylene gas by fluorescence turn-on of a conjugated polymer. <b>2010</b> , 49, 8872-5	73
1588	Upconversion: road to El Dorado of the fluorescence world. <b>2010</b> , 25, 290-3	33
1587	Controlling the Photoluminescence from a Laser Dye through the Oxidation Level of Polypyrrole. <b>2010</b> , 31, 289-94	3
1586	Evolution of the solvent polarity in an electrospray plume. <b>2010</b> , 21, 378-85	50
1585	Interaction of coomassie brilliant blue G250 with human serum albumin: Probing of the binding mechanism and binding site by spectroscopic and molecular modeling methods. <b>2010</b> , 968, 24-31	30
1584	Noncontact manipulation of microflow by photothermal control of viscous force. <b>2010</b> , 31, 1005-1011	14
1583	Complex of nicosulfuron with human serum albumin: A biophysical study. <b>2010</b> , 975, 256-264	37
1582	Evaluating the efficacy of tryptophan fluorescence and absorbance as a selection tool for identifying protein crystals. <b>2010</b> , 66, 364-72	18
1581	Sodium Trinitratouranyl(VI) $\text{Na}[\text{UO}_2(\text{NO}_3)_3]$ <b>2010</b> , 636, 1002-1005	9
1580	Study on incomplete fluorescence quenching of cationic poly(p-phenylenevinylene)s with different contents of cis- and trans-vinyl linkages. <b>2010</b> , 48, 336-341	1
1579	Excited-state lifetime studies of the three tryptophan residues in the N-lobe of human serum transferrin. <b>2010</b> , 19, 99-110	20
1578	Dimer-monomer equilibrium of human thymidylate synthase monitored by fluorescence resonance energy transfer. <b>2010</b> , 19, 1023-30	15
1577	Increased aggregation propensity of IgG2 subclass over IgG1: role of conformational changes and covalent character in isolated aggregates. <b>2010</b> , 19, 1601-15	56

1576	Visualizing resonance energy transfer in supramolecular surface patterns of $\beta$ CD-functionalized quantum dot hosts and organic dye guests by fluorescence lifetime imaging. <b>2010</b> , 6, 2870-6	12
1575	Nanoimaging for protein misfolding diseases. <b>2010</b> , 2, 526-43	39
1574	Polyvalent display and packing of peptides and proteins on semiconductor quantum dots: predicted versus experimental results. <b>2010</b> , 6, 555-64	101
1573	Changing colours: now you see them, now you don't. <b>2010</b> , 126, 177-188	26
1572	Exposure of IgG to an acidic environment results in molecular modifications and in enhanced protective activity in sepsis. <b>2010</b> , 277, 3039-50	39
1571	Time-lapse FRET microscopy using fluorescence anisotropy. <b>2010</b> , 237, 51-62	33
1570	Direct interactions of early and late assembling division proteins in Escherichia coli cells resolved by FRET. <b>2010</b> , 77, 384-98	78
1569	Single-molecule dynamics of gating in a neurotransmitter transporter homologue. <b>2010</b> , 465, 188-93	213
1568	Investigation of excited-state proton transfer in 3-hydroxyflavone molecules. <b>2010</b> , 108, 544-552	5
1567	On estimating probability of excited-state intramolecular proton transfer. <b>2010</b> , 108, 714-719	1
1566	Fluorescent probe based on proton transfer in 4'-(diethylamino)-3-hydroxyflavone: Spectral and luminescent characteristics upon selective excitation. <b>2010</b> , 109, 279-284	8
1565	Spectral properties of molecular charge-transfer probe QMOM. <b>2010</b> , 109, 336-341	2
1564	Molecular probe FET: Long-wavelength fluorescence excitation effect and proton transfer reaction. <b>2010</b> , 109, 567-573	3
1563	Determination of the dynamics of microcharacteristics of solutions by time laser spectroscopy. <b>2010</b> , 109, 699-707	
1562	Temperature dependences of dual fluorescence as criterion for determining character of photoreactions. <b>2010</b> , 109, 905-912	7
1561	Watching conformational- and photo-dynamics of single fluorescent proteins in solution. <b>2010</b> , 2, 179-86	105
1560	Harnessing traction-mediated manipulation of the cell/matrix interface to control stem-cell fate. <b>2010</b> , 9, 518-26	1126
1559	Spectroscopic properties of fluorescein and rhodamine dyes attached to DNA. <b>2010</b> , 86, 261-72	21

1558	Probing the binding interaction of a phenazinium dye with serum transport proteins: a combined fluorometric and circular dichroism study. <b>2010</b> , 86, 538-44	43
1557	Association of acenaphthoporphyryns with liposomes for the photodynamic treatment of leishmaniasis. <b>2010</b> , 86, 645-52	36
1556	Biochemical imaging of human atherosclerotic plaques with fluorescence lifetime angioscopy. <b>2010</b> , 86, 727-31	18
1555	Simultaneous occurrence of energy transfer and photoinduced electron transfer in interactions of hen egg white lysozyme with 4-nitroquinoline-1-oxide. <b>2010</b> , 86, 1237-46	18
1554	Fluorescence quantum yield of thioflavin T in rigid isotropic solution and incorporated into the amyloid fibrils. <b>2010</b> , 5, e15385	131
1553	Fluorescent Reporter Proteins. 3-40	3
1552	Ultrasound-modulated fluorescence from rhodamine B aqueous solution. <b>2010</b> , 15, 021321	16
1551	UV damage in DNA promotes nucleosome unwrapping. <b>2010</b> , 285, 26295-303	47
1550	Localization of the substrate-binding site in the homodimeric mannitol transporter, Ellmtl, of Escherichia coli. <b>2010</b> , 285, 25324-31	11
1549	Protein refolding by pH-triggered chaperone binding and release. <b>2010</b> , 107, 1071-6	74
1548	An alternative scenario for the formation of specialized protein nano-domains (cluster phases) in biomembranes. <b>2010</b> , 91, 58001	9
1547	Ganglioside embedded in reconstituted lipoprotein binds cholera toxin with elevated affinity. <b>2010</b> , 51, 2731-8	21
1546	Spectral Profile Modifications in Metal-Enhanced Fluorescence. <b>2010</b> , 25-65	4
1545	Structural determination and tryptophan fluorescence of heterokaryon incompatibility C2 protein (HET-C2), a fungal glycolipid transfer protein (GLTP), provide novel insights into glycolipid specificity and membrane interaction by the GLTP fold. <b>2010</b> , 285, 13066-78	21
1544	Characterization of an asymmetric occluded state of P-glycoprotein with two bound nucleotides: implications for catalysis. <b>2010</b> , 285, 7575-86	88
1543	Human cytochrome P450 oxidoreductase deficiency caused by the Y181D mutation: molecular consequences and rescue of defect. <b>2010</b> , 38, 332-40	43
1542	Nanocrystals and Nanoparticles Versus Molecular Fluorescent Labels as Reporters for Bioanalysis and the Life Sciences: A Critical Comparison. <b>2010</b> , 3-40	7
1541	Energy Transfer in Silica Nanoparticles: An Essential Tool for the Amplification of the Fluorescence Signal. <b>2010</b> , 119-137	7



1540	Liquid-Core Waveguide Sensors. <b>2010</b> , 195-219	2
1539	Indium nanodeposits: A substrate for metal-enhanced fluorescence in the ultraviolet spectral region. <b>2010</b> , 108, 094701	28
1538	Simulations of luminescent solar concentrators: Effects of polarization and fluorophore alignment. <b>2010</b> , 108, 053508	21
1537	The Development of Fluorescence Microscopy. <b>2010</b> ,	17
1536	A fluorescence-based cyclodextrin sensor to detect nitroaromatic explosives. <b>2010</b> , 22, 65-71	34
1535	Synthesis and sensing properties of a new carbazole fluorosensor for detection of abacavir. <b>2010</b> , 22, 598-602	5
1534	Luminescence Phenomena Involving Metal Enolates. <b>2010</b> ,	3
1533	Multicolor fluorescence enhancement from a photonics crystal surface. <b>2010</b> , 97,	22
1532	Size dependence of molecular fluorescence enhancement of nanoporous gold. <b>2010</b> , 96, 073701	47
1531	Autofluorescence Detection in Analytical Chemistry and Biochemistry. <b>2010</b> , 45, 12-43	22
1530	Fluorescent probe dyes for metabolic-ion sensing under high hydrostatic pressures. <b>2010</b> , 1189, 104-12	2
1529	Interaction of extracellular domain 2 of the human retina-specific ATP-binding cassette transporter (ABCA4) with all-trans-retinal. <b>2010</b> , 285, 19372-83	14
1528	Strain-induced effects in colloidal quantum dots: lifetime measurements and blinking statistics. <b>2010</b> , 21, 134024	19
1527	A 200MHz 300ps 0.5pJ/ns optical pulse generator array in 0.35µm CMOS. <b>2010</b> ,	
1526	. <b>2010</b> ,	
1525	The p53 core domain is a molten globule at low pH: functional implications of a partially unfolded structure. <b>2010</b> , 285, 2857-66	46
1524	Tryptophan in the pore of the mechanosensitive channel MscS: assessment of pore conformations by fluorescence spectroscopy. <b>2010</b> , 285, 5377-84	18
1523	Oligomeric size of the m2 muscarinic receptor in live cells as determined by quantitative fluorescence resonance energy transfer. <b>2010</b> , 285, 16723-38	55

1522	An anticoagulant RNA aptamer that inhibits proteinase-cofactor interactions within prothrombinase. <b>2010</b> , 285, 5212-23	34
1521	Wnt-dependent assembly of supermolecular Dishevelled-3-based complexes. <b>2010</b> , 123, 3693-702	21
1520	A computational study of ultrafast acid dissociation and acid-base neutralization reactions. I. The model. <b>2010</b> , 133, 044108	7
1519	Three pulse UV photon echo studies of molecules in solution: effect of the chirp. <b>2010</b> , 133, 064506	10
1518	Silica-Based Nanoparticles: Design and Properties. <b>2010</b> , 229-251	9
1517	Hydrocarbon migration in the Porcupine Basin, offshore Ireland: evidence from fluid inclusion studies. <b>2010</b> , 16, 67-76	11
1516	Additional correction for energy transfer efficiency calculation in filter-based Forster resonance energy transfer microscopy for more accurate results. <b>2010</b> , 15, 020513	19
1515	Förster resonance energy transfer as a tool to study photoreceptor biology. <b>2010</b> , 15, 067001	10
1514	Fluorescence imaging of membrane dynamics in living cells. <b>2010</b> , 15, 046017	18
1513	Red-emitting fluorescent organic light emitting diodes with low sensitivity to self-quenching. <b>2010</b> , 108, 064509	28
1512	Biologically active collagen-based scaffolds: advances in processing and characterization. <b>2010</b> , 368, 2123-39	109
1511	Long-range tertiary interactions in single hammerhead ribozymes bias motional sampling toward catalytically active conformations. <b>2010</b> , 16, 2414-26	30
1510	Targeting of alpha(nu)beta(3)-integrins expressed on tumor tissue and neovasculature using fluorescent small molecules and nanoparticles. <b>2010</b> , 5, 715-26	40
1509	Spectroscopic probing of the microenvironment in a protein-surfactant assembly. <b>2010</b> , 114, 15839-45	125
1508	Role of solvent dielectric properties on charge transfer from PbS nanocrystals to molecules. <b>2010</b> , 10, 318-23	73
1507	Progress in Quenching Circuits for Single Photon Avalanche Diodes. <b>2010</b> ,	50
1506	Surface ligand effects on metal-affinity coordination to quantum dots: implications for nanoprobe self-assembly. <b>2010</b> , 21, 1160-70	80
1505	ZnS:Cu,Co water-soluble afterglow nanoparticles: synthesis, luminescence and potential applications. <b>2010</b> , 21, 385604	49

1504	FRET and Its Biological Application as a Molecular Ruler. <b>2010</b> , 119-136	8
1503	What is solvatochromism?. <b>2010</b> , 114, 17128-35	311
1502	Characterization of nucleobase analogue FRET acceptor tCnitro. <b>2010</b> , 114, 1050-6	35
1501	Binding modes of flavones to human serum albumin: insights from experimental and computational studies. <b>2010</b> , 114, 12938-47	55
1500	Structural Implications on the Electrochemical and Spectroscopic Signature of CdSe-ZnS Core-Shell Quantum Dots. <b>2010</b> , 114, 7007-7013	36
1499	Coupled nanoantenna plasmon resonance spectra from two-photon laser excitation. <b>2010</b> , 10, 4161-5	38
1498	Nanostructured Materials Use in Sensors: Their Benefits and Drawbacks. <b>2010</b> , 307-354	2
1497	Structure and activity of lysozyme on binding to ZnO nanoparticles. <b>2010</b> , 26, 3506-13	139
1496	Photochemical charge separation in supramolecular phthalocyanine-multifullerene conjugates assembled by crown ether-alkyl ammonium cation interactions. <b>2010</b> , 114, 10951-9	46
1495	High-efficiency Förster resonance energy transfer in solid-state dye sensitized solar cells. <b>2010</b> , 10, 2387-94	108
1494	Temperature-dependent solvatochromic probe behavior within ionic liquids and (ionic liquid + water) mixtures. <b>2010</b> , 114, 8118-25	62
1493	Dynamic [Cl <sup>-</sup> ] <sub>i</sub> measurement with chloride sensing quantum dots nanosensor in epithelial cells. <b>2010</b> , 21, 055101	7
1492	Dynamics of the excited states of [Ir(ppy) <sub>2</sub> bpy] <sup>+</sup> with triple phosphorescence. <b>2010</b> , 114, 10339-44	74
1491	Multicolor dye-doped silica nanoparticles independent of FRET. <b>2010</b> , 26, 15722-5	29
1490	Molecular basis of enrofloxacin translocation through OmpF, an outer membrane channel of Escherichia coli--when binding does not imply translocation. <b>2010</b> , 114, 5170-9	78
1489	Regioselective bromination of palladium tetraphenyltetrabenzoporphyrin to benzo-rings: Synthesis of mono- and octabromotetrabenzoporphyrins and their properties. <b>2010</b> , 14, 815-824	2
1488	A cost-efficient frequency domain fluorescence lifetime measurement system. <b>2010</b> , 78, 28-34	7
1487	Influence of architecture on the interaction of negatively charged multisensitive poly(N-isopropylacrylamide)-co-methacrylic acid microgels with oppositely charged polyelectrolyte: absorption vs adsorption. <b>2010</b> , 26, 11258-65	76

- 1486 What is a Convincing Photoluminescence Quantum Yield of Fluorescent Nanocrystals. **2010**, 114, 14319-14326 22
- 1485 Dissociative CdSe/ZnS quantum dot-molecule complex for luminescent sensing of metal ions in aqueous solutions. **2010**, 108, 074306 13
- 1484 Fluorescence lifetime imaging microscopy in life sciences. **2010**, 21, 102002 115
- 1483 Combining chemoselective ligation with polyhistidine-driven self-assembly for the modular display of biomolecules on quantum dots. **2010**, 4, 267-78 86
- 1482 An ATP fluorescent chemosensor based on a Zn(II)-complexed dipicolylamine receptor coupled with a naphthalimide chromophore. **2010**, 46, 1085-7 146
- 1481 Fluorescence quenching by photoinduced electron transfer in the Zn<sup>2+</sup> sensor zinpyr-1: a computational investigation. **2010**, 114, 10427-34 63
- 1480 Engineering directed excitonic energy transfer. **2010**, 96, 093114 27
- 1479 Oligonucleotide duplexes and multistrand assemblies with 8-aza-2'-deoxyisoguanosine: a fluorescent isoG(d) shape mimic expanding the genetic alphabet and forming ionophores. **2010**, 132, 4016-24 46
- 1478 Fluorescence studies of drug binding and translocation by membrane transporters. **2010**, 637, 133-48 6
- 1477 Solvent Effect in Dynamic Superstructures from Au Nanoparticles and CdTe Nanowires: Experimental Observation and Theoretical Description. **2010**, 114, 1404-1410 10
- 1476 Surfing on a new wave of single-molecule fluorescence methods. **2010**, 7, 031001 68
- 1475 Solvent-Mediated End-to-End Assembly of Gold Nanorods. **2010**, 1, 2692-2698 59
- 1474 Fluorescent Sensing and Process Analytical Applications. **2010**, 337-352 2
- 1473 Conjugates, Complexes, and Interlocked Systems Based on Squaraines and Cyanines. **2010**, 159-190 8
- 1472 Analyzing binding data. **2010**, Chapter 7, Unit 7.5 23
- 1471 Collective fluorescence blinking in linear J-aggregates assisted by long-distance exciton migration. **2010**, 10, 620-6 122
- 1470 Chapter 1 Investigation of Possible Relationships Between the Chlorophyll Biosynthetic Pathway, the Assembly of Chlorophyll-Protein Complexes and Photosynthetic Efficiency. **2010**, 1-24 0
- 1469 Fluorene Analogues of Prodan with Superior Fluorescence Brightness and Solvatochromism. **2010**, 1, 616-620 159

1468	Structure-independent analysis of the breadth of the positional distribution of disordered groups in macromolecules from order parameters for long, variable-length vectors using NMR paramagnetic relaxation enhancement. <b>2010</b> , 132, 13346-56	31
1467	Unique physical properties and interactions of the domains of methylated DNA binding protein 2. <b>2010</b> , 49, 4395-410	77
1466	Amplified spontaneous emission in the cyano-substituted oligo(p-phenylenevinylene) organic crystals: Effect of excitation wavelength. <b>2010</b> , 96, 103508	20
1465	Simultaneous control of emission localization and two-photon absorption efficiency in dissymmetrical chromophores. <b>2010</b> , 114, 3152-69	45
1464	Efficient Energy Transfer between Confined Dye and Y-Zeolite Functionalized Au Nanoparticles. <b>2010</b> , 114, 19667-19672	23
1463	Two-photon and time-resolved fluorescence conformational studies of aggregation in amyloid peptides. <b>2010</b> , 114, 7112-20	14
1462	Structural Property Relationship in Pyrazino[2,3-g]quinoxaline Derivatives: Morphology, Photophysical, and Waveguide Properties. <b>2010</b> , 22, 3735-3745	74
1461	Fluorescence resonance energy transfer in gaseous, mass-selected polyproline peptides. <b>2010</b> , 132, 16156-64	71
1460	Low-cost fluorimetric determination of radicals based on fluorogenic dimerization of the natural phenol sesamol. <b>2010</b> , 82, 1213-20	9
1459	Optical Properties of Nanostructures Obtained by Encapsulation of Cation Chromophores in Y Zeolite. <b>2010</b> , 114, 10719-10724	14
1458	Photoswitchable fluorescent dyads incorporating BODIPY and [1,3]oxazine components. <b>2010</b> , 114, 11567-75	46
1457	Excitation transfer in metal-ligand coordinated free-base porphyrin-magnesium phthalocyanine and free-base porphyrin-magnesium naphthalocyanine dyads. <b>2010</b> , 14, 948-961	10
1456	Autocalibrated scanning-angle prism-type total internal reflection fluorescence microscopy for nanometer-precision axial position determination. <b>2010</b> , 82, 2441-7	29
1455	Distance measurements within a concatamer of the plasma membrane Cl <sup>-</sup> /HCO <sub>3</sub> <sup>-</sup> exchanger, AE1. <b>2010</b> , 49, 9226-40	7
1454	Fluorescence anisotropy of hydrophobic probes in poly(N-decylacrylamide)-block-poly(N,N-diethylacrylamide) block copolymer aqueous solutions: evidence of pre-micellar aggregates. <b>2010</b> , 114, 9977-86	28
1453	Silver ions-mediated conformational switch: facile design of structure-controllable nucleic acid probes. <b>2010</b> , 82, 6607-12	51
1452	pH-Dependent conformational changes in tear lipocalin by site-directed tryptophan fluorescence. <b>2010</b> , 49, 582-90	17
1451	Tuning the intramolecular charge transfer emission from deep blue to green in ambipolar systems based on dibenzothiophene S,S-dioxide by manipulation of conjugation and strength of the electron donor units. <b>2010</b> , 75, 6771-81	104

1450	Zinc is externalized rather than released during synaptic transmission. <b>2010</b> , 1, 728-736	15
1449	Synthesis and characterization of a class of donor-acceptor conjugated molecules: experiments and theoretical calculations. <b>2010</b> , 114, 4647-54	5
1448	Fabrication and Characterization of Planar Plasmonic Substrates with High Fluorescence Enhancement. <b>2010</b> , 114, 21142-21149	29
1447	Self-assembled quantum dot-sensitized multivalent DNA photonic wires. <b>2010</b> , 132, 18177-90	113
1446	Measuring binding kinetics of ligands with tethered receptors by fluorescence polarization and total internal reflection fluorescence. <b>2010</b> , 82, 3819-25	17
1445	Rational design of FRET-based ratiometric chemosensors for in vitro and in cell fluorescence analyses of nucleoside polyphosphates. <b>2010</b> , 132, 13290-9	216
1444	Quantum dot peptide biosensors for monitoring caspase 3 proteolysis and calcium ions. <b>2010</b> , 4, 5487-97	141
1443	Förster resonance energy transfer evidence for lysozyme oligomerization in lipid environment. <b>2010</b> , 114, 16773-82	6
1442	A pH-dependent conformational ensemble mediates proton transport through the influenza A/M2 protein. <b>2010</b> , 49, 10061-71	20
1441	Recommendations for fluorescence instrument qualification: the new ASTM Standard Guide. <b>2010</b> , 82, 2129-33	37
1440	A direct probe of the interplay between bilayer morphology and surface reactivity in polymersomes. <b>2010</b> , 26, 12132-9	6
1439	Surface plasmon enhanced fluorescence of cationic conjugated polymer on periodic nanoarrays. <b>2010</b> , 2, 3153-9	13
1438	Light-emitting polymer single nanofibers via waveguiding excitation. <b>2010</b> , 4, 5332-8	111
1437	Quenched substrates for live-cell labeling of SNAP-tagged fusion proteins with improved fluorescent background. <b>2010</b> , 82, 8186-93	43
1436	Solid-phase synthesis of azaphthalocyanine-oligonucleotide conjugates and their evaluation as new dark quenchers of fluorescence. <b>2010</b> , 21, 1872-9	29
1435	Ultrafast singlet-singlet energy transfer in self-assembled via metal-ligand axial coordination of free-base porphyrin-zinc phthalocyanine and free-base porphyrin-zinc naphthalocyanine dyads. <b>2010</b> , 114, 268-77	47
1434	Temperature-dependent optical properties of gold nanoparticles coated with a charged diblock copolymer and an uncharged triblock copolymer. <b>2010</b> , 4, 1187-201	38
1433	Detection of structural dynamics by FRET: a photon distribution and fluorescence lifetime analysis of systems with multiple states. <b>2010</b> , 114, 7983-95	138

1432	Intramolecular charge transfer with fluorazene and N-phenylpyrrole. <b>2010</b> , 114, 1621-32	23
1431	A thermochromic thin film based on host-guest interactions in a layered double hydroxide. <b>2010</b> , 26, 1247-53	30
1430	Encapsulation of anilino-naphthalenesulfonates in carboxylate-terminated PAMAM dendrimer at the polarized water 1,2-dichloroethane interface. <b>2010</b> , 26, 17686-94	19
1429	Fluorescence dynamics of double- and single-stranded DNA bound to histone and micellar surfaces. <b>2010</b> , 114, 8986-93	12
1428	Fluorescence lifetime probe for solvent microviscosity utilizing anilino-naphthalene sulfonate. <b>2010</b> , 82, 5470-6	22
1427	Biochemical characterization of ThiT from <i>Lactococcus lactis</i> : a thiamin transporter with picomolar substrate binding affinity. <b>2010</b> , 49, 3203-12	49
1426	On the origin of broadening of single-molecule FRET efficiency distributions beyond shot noise limits. <b>2010</b> , 114, 6197-206	78
1425	The neutral lipid composition present in the digestive vacuole of <i>Plasmodium falciparum</i> concentrates heme and mediates hemozoin formation with an unusually low activation energy. <b>2010</b> , 49, 10107-16	49
1424	Chronic cholesterol depletion using statin impairs the function and dynamics of human serotonin(1A) receptors. <b>2010</b> , 49, 5426-35	110
1423	A combined spectroscopic and ab initio investigation of phenylacetylene-methylamine complex. Observation of $\pi$ and $\pi$ type hydrogen-bonded configurations and fluorescence quenching by weak C-H $\cdots$ N hydrogen bonding. <b>2010</b> , 114, 11347-52	17
1422	Fluorescent ribonucleoside as a FRET acceptor for tryptophan in native proteins. <b>2010</b> , 132, 11896-7	52
1421	Quantum dot DNA bioconjugates: attachment chemistry strongly influences the resulting composite architecture. <b>2010</b> , 4, 7253-66	131
1420	Synthesis and Photophysical Properties of Bipyridine-Extended Dithienophosphole Chromophores for Transition Metal Complexation. <b>2010</b> , 29, 3289-3297	10
1419	Conformation and intermolecular interactions of SA2 peptides self-assembled into vesicles. <b>2010</b> , 114, 11046-52	12
1418	Modulation of p-cyanophenylalanine fluorescence by amino acid side chains and rational design of fluorescence probes of alpha-helix formation. <b>2010</b> , 49, 6290-5	35
1417	Excited-state dynamics of dGMP measured by steady-state and femtosecond fluorescence spectroscopy. <b>2010</b> , 114, 3256-63	52
1416	Metabolic depletion of sphingolipids impairs ligand binding and signaling of human serotonin1A receptors. <b>2010</b> , 49, 2389-97	40
1415	Electrostatic pushing effect: a prospective strategy for enhanced drug delivery. <b>2010</b> , 114, 12541-8	13

1414	Structural determinants of specific DNA-recognition by the THAP zinc finger. <b>2010</b> , 38, 3466-76	46
1413	Resolving inhomogeneity using lifetime-weighted fluorescence correlation spectroscopy. <b>2010</b> , 114, 12383-91	26
1412	Kinetic and structural characterization of dihydrofolate reductase from <i>Streptococcus pneumoniae</i> . <b>2010</b> , 49, 195-206	16
1411	Prediction of cell culture media performance using fluorescence spectroscopy. <b>2010</b> , 82, 1311-7	58
1410	Monovalent Anion Indicator Based on Fluorescence Quenching of Helical Fluorinated Poly(dialkylsilanes). <b>2010</b> , 43, 7919-7923	9
1409	Intercalation-FRET biosensor with a helical conjugated polyelectrolyte. <b>2010</b> , 26, 14427-9	27
1408	Study of Electron-Phonon Coupling Dynamics in Au Nanorods by Transient Depolarization Measurements. <b>2010</b> , 114, 2913-2917	35
1407	Shell-Dependent Energy Transfer from 1,3,5-Tris(N-phenylbenzimidazol-2-yl) Benzene to CdSe Core/Shell Quantum Dots. <b>2010</b> , 114, 19256-19262	20
1406	Photoinduced millisecond switching kinetics in the GFPmut2 E222Q mutant. <b>2010</b> , 114, 4664-77	12
1405	Excitation energy migration processes in self-assembled porphyrin boxes constructed by conjugated porphyrin dimers. <b>2010</b> , 114, 9157-64	20
1404	A fluorescence correlation spectroscopy study of the diffusion of an organic dye in the gel phase and fluid phase of a single lipid vesicle. <b>2010</b> , 114, 5736-41	36
1403	Time-Resolved Fluorometric Method for One-Step Immunoassays Using Plasmonic Nanostructures. <b>2010</b> , 114, 7236-7241	14
1402	Probing near-infrared photorelaxation pathways in eumelanins and pheomelanins. <b>2010</b> , 114, 11483-91	28
1401	Ultrafast excited-state dynamics of [Re(L)(CO) <sub>3</sub> (bpy)] <sub>n</sub> complexes: involvement of the solvent. <b>2010</b> , 114, 6361-9	107
1400	Bioconjugation of calcium phosphosilicate composite nanoparticles for selective targeting of human breast and pancreatic cancers in vivo. <b>2010</b> , 4, 1279-87	123
1399	Photoinduced electron transfer occurs between 2-aminopurine and the DNA nucleic acid monophosphates: results from cyclic voltammetry and fluorescence quenching. <b>2010</b> , 114, 10573-80	16
1398	Energy transfer ligands of the GluR2 ligand binding core. <b>2010</b> , 49, 2051-7	3
1397	Substrate catalysis enhances single-enzyme diffusion. <b>2010</b> , 132, 2110-1	158



1396	Differential interaction of beta-cyclodextrin with lipids of varying surface charges: a spectral deciphering using a cationic phenazinium dye. <b>2010</b> , 114, 2261-9	33
1395	Assembly of zwitterionic phospholipid/conjugated polyelectrolyte complexes: structure and photophysical properties. <b>2010</b> , 26, 6746-54	31
1394	Distance mapping in proteins using fluorescence spectroscopy: the tryptophan-induced quenching (TriQ) method. <b>2010</b> , 49, 9722-31	72
1393	Mechanisms of quenching of Alexa fluorophores by natural amino acids. <b>2010</b> , 132, 7244-5	165
1392	Fluorescent metal nanoshell probe to detect single miRNA in lung cancer cell. <b>2010</b> , 82, 4464-71	78
1391	Absorption, steady-state fluorescence, fluorescence lifetime, and 2D self-assembly properties of engineered fluorescent S-layer fusion proteins of <i>Geobacillus stearothermophilus</i> NRS 2004/3a. <b>2010</b> , 11, 207-14	18
1390	A sensitive and versatile laser scanning confocal optical microscope for single-molecule fluorescence at 77 K. <b>2010</b> , 81, 113705	12
1389	Two-photon microscopy of oxygen: polymersomes as probe carrier vehicles. <b>2010</b> , 114, 14373-82	24
1388	Hybridization efficiency of molecular beacons bound to gold nanowires: effect of surface coverage and target length. <b>2010</b> , 26, 18273-80	37
1387	Dual-channel single-molecule fluorescence resonance energy transfer to establish distance parameters for RNA nanoparticles. <b>2010</b> , 4, 6843-53	20
1386	Gigantic two-photon absorption cross sections and strong two-photon excited fluorescence in pyrene core dendrimers with fluorene/carbazole as dendrons and acetylene as linkages. <b>2010</b> , 114, 11737-45	44
1385	Pyrene-functionalized ruthenium nanoparticles as effective chemosensors for nitroaromatic derivatives. <b>2010</b> , 82, 461-5	75
1384	Metal Nanoshell - Capsule for Light-Driven Release of Small Molecule. <b>2010</b> , 114, 7635-7659	12
1383	Internal motion of an electronically excited molecule in viscoelastic media. <b>2010</b> , 133, 014507	23
1382	Analytical spectroscopic investigation of wavelength and pulse duration effects on laser-induced changes of egg-yolk-based tempera paints. <b>2010</b> , 64, 528-36	19
1381	Evaluation of a commercial integrating sphere setup for the determination of absolute photoluminescence quantum yields of dilute dye solutions. <b>2010</b> , 64, 733-41	59
1380	Fluorescence instrument response standards in two-photon time-resolved spectroscopy. <b>2010</b> , 64, 918-22	11
1379	Fluorescence lifetime measurements and biological imaging. <b>2010</b> , 110, 2641-84	1454

1378	Construction of a library of rhodol fluorophores for developing new fluorescent probes. <b>2010</b> , 12, 496-9	73
1377	Frequency-Domain Measurements. <b>2010</b> , 279-312	3
1376	Azido push-pull fluorogens photoactivate to produce bright fluorescent labels. <b>2010</b> , 114, 14157-67	80
1375	Quenching of Tryptophan Fluorescence in Unfolded Cytochrome : A Biophysics Experiment for Physical Chemistry Students. <b>2010</b> , 87, 961-964	23
1374	Aromatic fumaronitrile core-based donor-linker-acceptor-linker-donor (D-pi-A-pi-D) compounds: synthesis and photophysical properties. <b>2010</b> , 114, 4542-9	30
1373	Time-resolved fluorescence study of aggregation-induced emission enhancement by restriction of intramolecular charge transfer state. <b>2010</b> , 114, 128-34	169
1372	Distance-dependent Fluorescence Quenching and Binding of CdSe Quantum Dots by Functionalized Nitroxide Radicals. <b>2010</b> , 114, 7793-7805	64
1371	Exchange of apolipoprotein A-I between lipid-associated and lipid-free states: a potential target for oxidative generation of dysfunctional high density lipoproteins. <b>2010</b> , 285, 18847-57	68
1370	Photogenerated exciton dissociation in highly coupled lead salt nanocrystal assemblies. <b>2010</b> , 10, 1805-11	168
1369	Interaction of ketocyanine dye with a Co <sup>2+</sup> ion: an electronic spectroscopic study. <b>2010</b> , 114, 10388-94	7
1368	Dynamics of two-color two-photon excited fluorescence of p-terphenyl: determination and analysis of the molecular parameters. <b>2010</b> , 114, 9681-92	23
1367	Viscosity effect on the ultrafast bond twisting dynamics in an amyloid fibril sensor: thioflavin-T. <b>2010</b> , 114, 5920-7	110
1366	Nucleic acid-guided assembly of aromatic chromophores. <b>2010</b> , 39, 410-22	227
1365	Zinc porphyrin as a donor for FRET in Zn(II)cytochrome c. <b>2010</b> , 132, 1752-3	27
1364	Ionic liquid-induced unprecedented size enhancement of aggregates within aqueous sodium dodecylbenzene sulfonate. <b>2010</b> , 26, 17821-6	73
1363	Optical properties of the nitrogen-vacancy singlet levels in diamond. <b>2010</b> , 82,	125
1362	Influence of surfactants on the excited state photophysics of 4-nitro-1-hydroxy-2-naphthoic acid. <b>2010</b> , 9, 1094-100	3
1361	Silicon nanoparticle photophysics and singlet oxygen generation. <b>2010</b> , 26, 10953-60	35

1360	Photophysics of squaraine dyes: role of charge-transfer in singlet oxygen production and removal. <b>2010</b> , 114, 2518-25	50
1359	Design and characterization of molecular tools for a Synthetic Biology approach towards developing cyanobacterial biotechnology. <b>2010</b> , 38, 2577-93	270
1358	Rapid covalent ligation of fluorescent peptides to water solubilized quantum dots. <b>2010</b> , 132, 10027-33	69
1357	Lanthanide-based luminescent NanoGUMBOS. <b>2010</b> , 26, 15599-603	29
1356	Development of a micro positioning stage for lab on a chip applications. <b>2010</b> ,	
1355	Log-Rolling Alignment in Friction-Transferred Light-Emitting Conjugated Polymer Thin Films. <b>2010</b> , 43, 10475-10480	14
1354	Luminescent Platinum Compounds: From Molecules to OLEDs. <b>2010</b> , 75-111	108
1353	Measurement of dissolved organic matter fluorescence in aquatic environments: an interlaboratory comparison. <b>2010</b> , 44, 9405-12	418
1352	Stereoselective interaction of epimeric naproxen-RGD peptides with human serum albumin. <b>2010</b> , 11, 2255-60	20
1351	Design of bis-spiropyran ligands as dipolar molecule receptors and application to in vivo glutathione fluorescent probes. <b>2010</b> , 132, 725-36	235
1350	Multiplex single nucleotide polymorphism genotyping utilizing ligase detection reaction coupled surface enhanced Raman spectroscopy. <b>2010</b> , 82, 5810-4	49
1349	Frequency-domain measurement of luminescent lanthanide chelates. <b>2010</b> , 114, 7856-67	12
1348	Dynamics of light-induced activation in the PAS domain proteins LOV2 and PYP probed by time-resolved tryptophan fluorescence. <b>2010</b> , 49, 10811-7	5
1347	Ultrafast FRET in ionic liquid-P123 mixed micelles: region and counterion dependence. <b>2010</b> , 114, 13159-66	32
1346	Dynamics in organic ionic liquids in distinct regions using charged and uncharged orientational relaxation probes. <b>2010</b> , 114, 2840-5	109
1345	Formation and Luminescence Phenomena of LaF <sub>3</sub> :Ce <sup>3+</sup> Nanoparticles and Lanthanide Organic Compounds in Dimethyl Sulfoxide. <b>2010</b> , 114, 826-831	37
1344	DNA methylation increases nucleosome compaction and rigidity. <b>2010</b> , 132, 1782-3	186
1343	On the Feasibility of Using the Intrinsic Fluorescence of Nucleotides for DNA Sequencing. <b>2010</b> , 114, 7448-7461	22

1342	Carbazole donor-carbazole linker-based compounds: preparation, photophysical properties, and formation of fluorescent nanoparticles. <b>2010</b> , 114, 4550-7	44
1341	Differential fluorescence quenching of fluorescent nucleic acid base analogues by native nucleic acid monophosphates. <b>2010</b> , 114, 5953-63	19
1340	In vitro self-assembly of gold nanoparticle-coated poly(3-hydroxybutyrate) granules exhibiting plasmon-induced thermo-optical enhancements. <b>2010</b> , 2, 1804-10	10
1339	X-Ray Fluorescence Spectrometry. <b>2010</b> ,	6
1338	Noncovalent functionalization of boron nitride nanotubes with poly(p-phenylene-ethynylene)s and polythiophene. <b>2010</b> , 2, 104-10	72
1337	Advanced statistical and numerical methods for spectroscopic characterization of protein structural evolution. <b>2010</b> , 110, 5692-713	52
1336	Electrochemistry and Electrogenerated Chemiluminescence of a Novel Donor-Acceptor FPhSPFN Red Fluorophore. <b>2010</b> , 114, 9772-9780	21
1335	Effect of ionic liquid on prototropic and solvatochromic behavior of fluorescein. <b>2010</b> , 114, 15042-51	34
1334	Electrochemistry and electrogenerated chemiluminescence of dithienylbenzothiadiazole derivative. Differential reactivity of donor and acceptor groups and simulations of radical cation-anion and dication-radical anion annihilations. <b>2010</b> , 132, 13453-61	58
1333	Nanofibers doped with dendritic fluorophores for protein detection. <b>2010</b> , 2, 1798-803	56
1332	Site-selective binding of human serum albumin by palmatine: spectroscopic approach. <b>2010</b> , 11, 106-12	226
1331	Role of the medium on the C343 inter/intramolecular hydrogen bond interactions. An absorption, emission, and <sup>1</sup> HNMR investigation of C343 in benzene/n-heptane mixtures. <b>2010</b> , 114, 7326-30	21
1330	Enhanced photostability of the anthracene chromophore in aqueous medium upon protein encapsulation. <b>2010</b> , 114, 11363-9	18
1329	Modification of porous protein crystals in development of biohybrid materials. <b>2010</b> , 21, 264-9	32
1328	High-performance time-resolved fluorescence by direct waveform recording. <b>2010</b> , 81, 103101	43
1327	NOR and AND logic gates based on supramolecular porphyrin-fullerene conjugates. <b>2010</b> , 12, 624-7	28
1326	Intracellular imaging of HeLa cells by non-functionalized NaYF <sub>4</sub> : Er <sup>3+</sup> , Yb <sup>3+</sup> upconverting nanoparticles. <b>2010</b> , 2, 495-8	165
1325	Excited-state intramolecular proton transfer on 2-(2'-hydroxy-4'-R-phenyl)benzothiazole nanoparticles and fluorescence wavelength depending on substituent and temperature. <b>2010</b> , 9, 722-9	52

1324	Role of electrostatic and hydrophobic forces in the interaction of ionic dyes with charged micelles. <b>2010</b> , 9, 687-96	24
1323	The power of the weak: recognition of ion pairs in water using a simple array sensor. <b>2010</b> , 46, 1860-2	40
1322	Distance and orientation dependence of photoinduced electron transfer through twisted, bent and helical bridges: a Karplus relation for charge transfer interaction. <b>2010</b> , 9, 1018-26	23
1321	What site-directed labeling studies tell us about the mechanism of rhodopsin activation and G-protein binding. <b>2010</b> , 9, 1466-74	21
1320	Boron asymmetry in a BODIPY derivative. <b>2010</b> , 12, 1672-5	79
1319	Effect of temperature during assembly on the structure and mechanical properties of peptide-based materials. <b>2010</b> , 11, 1502-6	24
1318	Self-association of ruthenium(II) polypyridyl complexes and their interactions with calf thymus DNA. <b>2010</b> , 49, 4843-53	46
1317	Synthesis and Characterization of Degradable Water-Soluble Fluorescent Polymers. <b>2010</b> , 43, 10196-10200	8
1316	Contrasting solvent polarity effect on the photophysical properties of two newly synthesized aminostyryl dyes in the lower and in the higher solvent polarity regions. <b>2010</b> , 114, 4507-19	67
1315	Preparation of Fluorescence Tunable Polymer Nanoparticles by One-step Mini-emulsion. <b>2010</b> , 47, 1135-1141	6
1314	Coordination complex SH2 domain proteomimetics: an alternative approach to disrupting oncogenic protein-protein interactions. <b>2010</b> , 46, 892-4	33
1313	Intracellular coenzymes as natural biomarkers for metabolic activities and mitochondrial anomalies. <b>2010</b> , 4, 241-63	273
1312	Photoelectrochemical, photophysical and morphological studies of electrostatic layer-by-layer thin films based on poly(p-phenylenevinylene) and single-walled carbon nanotubes. <b>2011</b> , 10, 1766-72	4
1311	On the causes of altered photophysics of luminescent metal complexes embedded in polymer hosts. <b>2011</b> , 27, 9567-75	5
1310	A nanoscale communication channel with fluorescence resonance energy transfer (FRET). <b>2011</b> ,	11
1309	Semiconductor quantum dots photosensitizing release of anticancer drug. <b>2011</b> , 47, 1482-4	19
1308	Molecular weight dependence of emission intensity and emitting sites distribution within single conjugated polymer molecules. <b>2011</b> , 13, 1743-53	55
1307	Liquid-crystalline functional carbazole and naphthalene platforms. <b>2011</b> , 7, 412-428	15

1306	Interactions within a [ionic liquid + poly(ethylene glycol)] mixture revealed by temperature-dependent synergistic dynamic viscosity and probe-reported microviscosity. <b>2011</b> , 115, 7405-16	55
1305	Relation between two-photon absorption and dipolar properties in a series of fluorenyl-based chromophores with electron donating or electron withdrawing substituents. <b>2011</b> , 115, 4255-62	41
1304	Towards controlling molecular motions in fluorescence microscopy and optical trapping: a spatiotemporal approach. <b>2011</b> , 30, 275-299	13
1303	Temperature-cycle single-molecule FRET microscopy on polyprolines. <b>2011</b> , 13, 1762-9	16
1302	Multimodal coupling of optical transitions and plasmonic oscillations in rhodamine B modified gold nanoparticles. <b>2011</b> , 13, 1131-9	45
1301	Multiple prototropism of fisetin in sodium cholate and related bile salt media. <b>2011</b> , 10, 66-75	30
1300	Deposition of anionic conjugated poly(phenylenevinylene) onto silica nanoparticles via electrostatic interactions. Assembly and single-particle spectroscopy. <b>2011</b> , 89, 385-394	7
1299	In vivo biochemistry: quantifying ion and metabolite levels in individual cells or cultures of yeast. <b>2011</b> , 438, 1-10	37
1298	Exploring the possibility of early cataract diagnostics based on tryptophan fluorescence. <b>2011</b> , 8, 1616-21	11
1297	Observation of Frequency-Domain Fluorescence Anomalous Phase Advance Due to Dark-State Hysteresis. <b>2011</b> , 2, 461-466	10
1296	Tuning of intermolecular electron transfer reaction by modulating the microenvironment inside copolymer-surfactant supramolecular assemblies. <b>2011</b> , 115, 1638-51	29
1295	Organization and dynamics of membrane probes and proteins utilizing the red edge excitation shift. <b>2011</b> , 115, 5693-706	80
1294	Encapsulated energy-transfer cassettes with extremely well resolved fluorescent outputs. <b>2011</b> , 133, 51-5	103
1293	Photochemical E(trans)→(cis) Isomerization of an Amphiphilic Cholest-5-en-3βyl(E)-9-anthracenprop-2-enoate on Solid Substrate. <b>2011</b> , 115, 20682-20688	4
1292	Residue-specific fluorescent probes of βsynuclein: detection of early events at the N- and C-termini during fibril assembly. <b>2011</b> , 50, 1963-5	30
1291	Substituent effects in the periphery of 2,9-bisaryl-tetraazaperopyrene dyes. <b>2011</b> , 76, 609-17	26
1290	Photophysics and photodynamics of 1'-hydroxy-2'-acetonaphthone (HAN) in micelles and nonionic surfactants forming vesicles: a comparative study of different microenvironments of surfactant assemblies. <b>2011</b> , 115, 12108-19	40
1289	Real-time probing of structural dynamics by interaction between chromophores. <b>2011</b> , 115, 12120-5	14

1288	Functional epitopes for site 1 of human prolactin. <b>2011</b> , 50, 1347-58	4
1287	Response of GWALP transmembrane peptides to changes in the tryptophan anchor positions. <b>2011</b> , 50, 7522-35	17
1286	Enhancement of single-molecule fluorescence signals by colloidal silver nanoparticles in studies of protein translation. <b>2011</b> , 5, 399-407	33
1285	DNA-directed artificial light-harvesting antenna. <b>2011</b> , 133, 11985-93	220
1284	Properties of chlorophyll and derivatives in homogeneous and microheterogeneous systems. <b>2011</b> , 115, 7364-73	51
1283	Fluorescent proton sensors based on energy transfer. <b>2011</b> , 76, 5219-28	61
1282	Polarity-sensitive fluorescent probes in lipid bilayers: bridging spectroscopic behavior and microenvironment properties. <b>2011</b> , 115, 9980-9	43
1281	Synthesis of Silica Encapsulated Perylenetetracarboxylic Diimide Core-Shell Nanoellipsoids. <b>2011</b> , 23, 4748-4755	18
1280	Conformationally dynamic $\pi$ -conjugation: probing structure-property relationships of fluorescent tris(N-salicylideneaniline)s. <b>2011</b> , 115, 13298-308	18
1279	Suppression of luminescence quenching at the nanometer scale in Gd <sub>2</sub> O <sub>3</sub> doped with Eu <sup>3+</sup> or Tb <sup>3+</sup> : Systematic comparison between nanometric and macroscopic samples of life-time, quantum yield, radiative and non-radiative decay rates. <b>2011</b> , 110, 094317	31
1278	Two-photon optical properties of near-infrared dyes at 1.55 $\mu$ m excitation. <b>2011</b> , 115, 11530-5	36
1277	Diffusion of organic dyes in ionic liquid and giant micron sized ionic liquid mixed micelle: fluorescence correlation spectroscopy. <b>2011</b> , 115, 7781-7	71
1276	Enhanced Fluorescence Emission from Single Molecules on a Two-Dimensional Photonic Crystal Slab with Low Background Emission. <b>2011</b> , 2, 1651-1656	9
1275	Enhanced photosafety of cinacalcet upon complexation with serum albumin. <b>2011</b> , 115, 1158-64	13
1274	Application of the nano-positioning system to the analysis of fluorescence resonance energy transfer networks. <b>2011</b> , 115, 11927-37	44
1273	Influence of heterogeneity of confined water on photophysical behavior of acridine with amines: a time-resolved fluorescence and laser flash photolysis study. <b>2011</b> , 115, 128-35	18
1272	Monitoring botulinum neurotoxin a activity with peptide-functionalized quantum dot resonance energy transfer sensors. <b>2011</b> , 5, 2687-99	109
1271	Assembly of lipid bilayers on silica and modified silica colloids by reconstitution of dried lipid films. <b>2011</b> , 27, 8634-44	13

1270	Intrinsic Fluorescence Studies of Conformational Relaxation and Its Dynamics of Triblock Copolymer during the Micellization in Selective Solvents. <b>2011</b> , 44, 1026-1033	7
1269	Immuno-surface-enhanced coherent anti-stokes Raman scattering microscopy: immunohistochemistry with target-specific metallic nanoprobe and nonlinear Raman microscopy. <b>2011</b> , 83, 7081-5	34
1268	Poly(carboxybetaine methacrylamide)-modified nanoparticles: a model system for studying the effect of chain chemistry on film properties, adsorbed protein conformation, and clot formation kinetics. <b>2011</b> , 12, 3567-80	40
1267	Effect of aggregation on the photophysical properties of three fluorene-phenylene-based cationic conjugated polyelectrolytes. <b>2011</b> , 115, 6885-92	19
1266	Supramolecular strategies to construct biocompatible and photoswitchable fluorescent assemblies. <b>2011</b> , 133, 871-9	130
1265	Emission wavelength prediction of a full-color-tunable fluorescent core skeleton, 9-aryl-1,2-dihydropyrrolo[3,4-b]indolizin-3-one. <b>2011</b> , 133, 6642-9	146
1264	Reduced fluorescence lifetime heterogeneity of 5-fluorotryptophan in comparison to tryptophan in proteins: implication for resonance energy transfer experiments. <b>2011</b> , 115, 7479-86	20
1263	Multidonor deep-UV FRET study of protein-ligand binding and its potential to obtain structure information. <b>2011</b> , 115, 13643-9	10
1262	A Fluorogenic Aromatic Nucleophilic Substitution Reaction for Demonstrating Normal-Phase Chromatography and Isolation of Nitrobenzoxadiazole Chromophores. <b>2011</b> , 88, 98-100	5
1261	Ultrafast Relaxation Dynamics of Rod-Shaped 25-Atom Gold Nanoclusters. <b>2011</b> , 115, 6200-6207	74
1260	Morphological examinations of oxidatively stressed pork muscle and myofibrils upon salt marination and cooking to elucidate the water-binding potential. <b>2011</b> , 59, 13026-34	29
1259	Comparative studies on the interaction of genistein, 8-chlorogenistein, and 3',8-dichlorogenistein with bovine serum albumin. <b>2011</b> , 59, 7506-13	81
1258	A New Strategy for Designing Conjugated Polymer-Based Fluorescence Sensing Films via Introduction of Conformation Controllable Side Chains. <b>2011</b> , 44, 703-710	29
1257	DNA polymerase activity at the single-molecule level. <b>2011</b> , 39, 595-9	10
1256	Chemical tools for studying directed cell migration. <b>2011</b> , 6, 1164-74	10
1255	Physicochemical mechanism for the enhanced ability of lipid membrane penetration of polyarginine. <b>2011</b> , 27, 7099-107	55
1254	Polymer Surface Diffusion in the Dilute Limit. <b>2011</b> , 44, 3073-3076	37
1253	Comment on "The interaction of 5-(alkoxy)naphthalen-1-amine with bovine serum albumin and its effect on the conformation of protein". <b>2011</b> , 115, 6806-7; discussion 6808-9	2



1252	Controlling the stereospecificity of a volume-conserving adiabatic photoisomerization within a nanotubular self-assembled cage: a reversible light-heat torque converter. <b>2011</b> , 115, 10665-81	5
1251	Photoinitiated Electron Transfer Dynamics of a Terthiophene Carboxylate on Monodispersed Zinc Oxide Nanocrystals. <b>2011</b> , 115, 2-10	15
1250	Locations and reorientations of multi-ring-fused 2-pyridones in ganglioside G(M1) micelles. <b>2011</b> , 27, 1662-7	1
1249	Modulation of prototropic activity and rotational relaxation dynamics of a cationic biological photosensitizer within the motionally constrained bio-environment of a protein. <b>2011</b> , 115, 10322-34	72
1248	Pyrene-Containing Conjugated Polymer-Based Fluorescent Films for Highly Sensitive and Selective Sensing of TNT in Aqueous Medium. <b>2011</b> , 44, 4759-4766	160
1247	Strong response of multilayer polyelectrolyte films to cationic surfactants. <b>2011</b> , 27, 4627-34	18
1246	Spatiotemporal multicolor labeling of individual cells using peptide-functionalized quantum dots and mixed delivery techniques. <b>2011</b> , 133, 10482-9	106
1245	Bichromophoric rhodamine-iridium(III) sensory system: modulation of the energy-transfer process through a selective sensing behavior. <b>2011</b> , 50, 5333-5	49
1244	Distance and temperature dependency in nonoverlapping and conventional Förster resonance energy-transfer. <b>2011</b> , 115, 13685-94	6
1243	Metal nanoparticle plasmon-enhanced light-harvesting in a photosystem I thin film. <b>2011</b> , 11, 3091-8	65
1242	Michler's hydrol blue: a sensitive probe for amyloid fibril detection. <b>2011</b> , 50, 3451-61	43
1241	PEG and mPEG-anthracene induce DNA condensation and particle formation. <b>2011</b> , 115, 9873-9	19
1240	Interaction of 7-nitrobenz-2-oxa-1,3-diazol-4-yl-labeled fatty amines with 1-palmitoyl, 2-oleoyl-sn-glycero-3-phosphocholine bilayers: a molecular dynamics study. <b>2011</b> , 115, 10109-19	25
1239	Time-resolved fluorescence and fluorescence anisotropy of fluorescein-labeled poly(N-isopropylacrylamide) incorporated in polymersomes. <b>2011</b> , 115, 13162-7	6
1238	Photophysical, electrochemical and crystallographic investigations of the fluorophore 2,5-bis(5-tert-butyl-benzoxazol-2-yl)thiophene. <b>2011</b> , 115, 12362-9	24
1237	FRET detection of proteins using fluorescently doped electrospun nanofibers and pattern recognition. <b>2011</b> , 27, 6401-8	31
1236	Mass spectrometric characterization of oligomers in Pseudomonas aeruginosa azurin solutions. <b>2011</b> , 115, 4790-800	6
1235	Enzymatic adenylation of 2,3-dihydroxybenzoate is enhanced by a protein-protein interaction between Escherichia coli 2,3-dihydro-2,3-dihydroxybenzoate dehydrogenase (EntA) and 2,3-dihydroxybenzoate-AMP ligase (EntE). <b>2011</b> , 50, 533-45	12

1234	Solvent effects on 3-keto-1H-pyrido[3,2,1-kl]phenothiazine fluorescence in polar and protic solvents. <b>2011</b> , 115, 10692-8	27
1233	Photophysics and Structure of Inclusion Complex of 4,4-Diaminodiphenyl Sulfone with Cyclodextrin Nanocavities. <b>2011</b> , 50, 7815-7823	14
1232	Histochemistry: live and in color. <b>2011</b> , 59, 139-45	12
1231	Photophysical Study of Perylene/TiO <sub>2</sub> and Perylene/ZnO Varying Interfacial Couplings and the Chemical Environment. <b>2011</b> , 115, 5683-5691	23
1230	pH and temperature dependent relaxation dynamics of Hoechst-33258: a time resolved fluorescence study. <b>2011</b> , 10, 35-41	26
1229	Simultaneous intracellular $\beta$ -D-glucosidase and phosphodiesterase I activities measurements based on a triple-signaling fluorescent probe. <b>2011</b> , 83, 1268-74	54
1228	New Perspective on How and Why Immunophilin FK506-Related Ligands Work. <b>2011</b> , 2, 2834-2839	15
1227	Connecting rare DNA conformations and surface dynamics using single-molecule resonance energy transfer. <b>2011</b> , 5, 9861-9	23
1226	Fluorescence Quenching, Lifetimes, and Fluorophore Solvent Accessibility. <b>2011</b> , 88, 695-696	3
1225	Installation/modulation of the emission response via click reaction. <b>2011</b> , 76, 3348-56	49
1224	Energy Transfer and Exciplex Formation and Their Impact on Exciton and Charge Carrier Dynamics in Organic Films. <b>2011</b> , 2, 362-366	34
1223	Capillary electrophoresis with lamp-based wavelength-resolved fluorescence detection for the probing of protein conformational changes. <b>2011</b> , 83, 6060-7	17
1222	Ultrafast fluorescence decay profiles reveal differential unstacking of 2-aminopurine from neighboring bases in single-stranded DNA-binding protein subsites. <b>2011</b> , 50, 8989-9001	11
1221	Fabrication of Novel Polymer Nanoparticle-Based Fluorescence Resonance Energy Transfer Systems and their Tunable Fluorescence Properties. <b>2011</b> , 48, 219-226	8
1220	Energy Transfer between Conjugated-Oligoelectrolyte-Substituted POSS and Gold Nanocluster for Multicolor Intracellular Detection of Mercury Ion. <b>2011</b> , 115, 13069-13075	90
1219	Homogeneous fluorescence-based immunoassay detects antigens within 90 seconds. <b>2011</b> , 83, 4281-7	44
1218	Studying flow close to an interface by total internal reflection fluorescence cross-correlation spectroscopy: quantitative data analysis. <b>2011</b> , 84, 066306	11
1217	Correlation of tryptophan fluorescence spectral shifts and lifetimes arising directly from heterogeneous environment. <b>2011</b> , 115, 3245-53	52

1216	Standards for photoluminescence quantum yield measurements in solution (IUPAC Technical Report). <b>2011</b> , 83, 2213-2228	1283
1215	Nonradiative decay mechanism of fluoren-9-ylidene malononitrile ambipolar derivatives. <b>2011</b> , 115, 2184-95	12
1214	Characterization of the Head Group and the Hydrophobic Regions of a Glycolipid Lyotropic Hexagonal Phase Using Fluorescent Probes. <b>2011</b> , 115, 19805-19810	19
1213	Investigation of flavonoids bearing different substituents on ring C and their cu <sup>2+</sup> complex binding with bovine serum albumin: structure-affinity relationship aspects. <b>2011</b> , 59, 10761-9	55
1212	Egg-Citing! Isolation of Protoporphyrin IX from Brown Eggshells and Its Detection by Optical Spectroscopy and Chemiluminescence. <b>2011</b> , 88, 788-792	11
1211	Rapid and quantitative measurement of metabolic stability without chromatography or mass spectrometry. <b>2011</b> , 133, 14476-9	7
1210	Synthesis, electronic structure, DNA and protein binding, DNA cleavage, and anticancer activity of fluorophore-labeled copper(II) complexes. <b>2011</b> , 50, 545-58	229
1209	A Förster resonance energy transfer (FRET) approach for enhancing fluorescence contrast in phase-separated membranes. <b>2011</b> , 89, 423-432	
1208	Luminescent Metal-Organic Frameworks. <b>2011</b> , 267-308	5
1207	Near-infrared fluorescent dye-doped semiconducting polymer dots. <b>2011</b> , 5, 1468-75	190
1206	Biophysical characterization of G-protein coupled receptor-peptide ligand binding. <b>2011</b> , 89, 98-105	12
1205	Energy Transfer from Fluorescent Proteins to Metal Nanoparticles. <b>2011</b> , 115, 17587-17593	41
1204	Feasibility of Using Bimetallic Plasmonic Nanostructures to Enhance the Intrinsic Emission of Biomolecules. <b>2011</b> , 115, 16879-16891	29
1203	Luminescent lanthanide-functionalized gold nanoparticles: exploiting the interaction with bovine serum albumin for potential sensing applications. <b>2011</b> , 5, 7184-97	77
1202	Synthesis, characterization, and spectroscopic investigation of benzoxazole conjugated Schiff bases. <b>2011</b> , 115, 13390-8	30
1201	Characterization of photoinduced self-exchange reactions at molecule-semiconductor interfaces by transient polarization spectroscopy: lateral intermolecular energy and hole transfer across sensitized TiO <sub>2</sub> thin films. <b>2011</b> , 133, 15384-96	58
1200	Regioselective stepwise bromination of boron dipyrromethene (BODIPY) dyes. <b>2011</b> , 76, 9988-96	171
1199	Contrasting effect of gold nanoparticles and nanorods with different surface modifications on the structure and activity of bovine serum albumin. <b>2011</b> , 27, 7722-31	167

1198	Ions in size-selected aqueous nanodrops: sequential water molecule binding energies and effects of water on ion fluorescence. <b>2011</b> , 133, 18940-9	23
1197	Water-dispersible iron oxide magnetic nanoparticles with versatile surface functionalities. <b>2011</b> , 27, 2271-8	99
1196	Use of a coumarin-labeled hexa-arginine peptide as a fluorescent hydroxyl radical probe in a nanoparticulate plasmid DNA condensate. <b>2011</b> , 115, 9889-97	17
1195	Exploring the mechanism of fluorescence quenching in proteins induced by tetracycline. <b>2011</b> , 115, 6312-20	113
1194	Resonance energy transfer near metal nanostructures mediated by surface plasmons. <b>2011</b> , 83,	66
1193	Layer-by-layer assembled Fe <sub>3</sub> O <sub>4</sub> @C@CdTe core/shell microspheres as separable luminescent probe for sensitive sensing of Cu <sup>2+</sup> ions. <b>2011</b> , 27, 11609-15	99
1192	Fluorescence Lifetime of Fluorescent Proteins. <b>2011</b> , 69-97	1
1191	Photoluminescence anisotropy of uni-axially aligned electrospun conjugated polymer nanofibers of MEH-PPV and P3HT. <b>2011</b> , 21, 444-448	51
1190	Ultrafast Singlet-Singlet Energy Transfer between an Acceptor Electrostatically Attached to the Walls of an Organic Capsule and the Enclosed Donor. <b>2011</b> , 115, 9593-9600	31
1189	Polyethyleneimine Functionalized ZnO Quantum Dots and their Binding Interaction with Bovine Serum Albumin Protein. <b>2011</b> , 1316, 1	
1188	pH-induced intramolecular folding dynamics of i-motif DNA. <b>2011</b> , 133, 16146-53	146
1187	Suitable labels for molecular imaging--influence of dye structure and hydrophilicity on the spectroscopic properties of IgG conjugates. <b>2011</b> , 22, 1298-308	71
1186	Synthesis, Photophysics, Electrochemistry and Electrogenerated Chemiluminescence of a Homologous Set of BODIPY-Appended Bipyridine Derivatives. <b>2011</b> , 115, 17993-18001	33
1185	Pulsed electron-electron double resonance: beyond nanometre distance measurements on biomacromolecules. <b>2011</b> , 434, 353-63	74
1184	Characterization of Ultrafast Intramolecular Charge Transfer Dynamics in Pyrenyl Derivatives: Systematic Change of the Number of Peripheral N,N-Dimethylaniline Substituents. <b>2011</b> , 2, 818-823	46
1183	Ultrafast intramolecular energy relaxation dynamics of benzoporphyrins: influence of fused benzo rings on singlet excited states. <b>2011</b> , 115, 3784-92	15
1182	A highly selective bifunctional luminescence probe for potassium and fluoride ions. <b>2011</b> , 13, 2172-5	74
1181	A highly fluorescent hydrophilic ionic liquid as a potential probe for the sensing of biomacromolecules. <b>2011</b> , 115, 1524-30	47

1180	Photoinduced Electron Transfer in a Quantum Dot-Cucurbituril Supramolecular Complex. <b>2011</b> , 115, 1824-1830	26
1179	Circularly Polarized Light Enhancement by Helical Polysilane Aggregates Suspension in Organic Optofluids. <b>2011</b> , 44, 7511-7519	90
1178	Investigation on the interaction between ilaprazole and bovine serum albumin without or with different C-ring flavonoids from the viewpoint of food-drug interference. <b>2011</b> , 59, 8499-506	60
1177	Structure Property Relationships for Exciton Transfer in Conjugated Polymers. <b>2011</b> , 271-310	1
1176	Structural and spectroscopic properties of LaOF:Eu <sup>3+</sup> nanocrystals prepared by the sol-gel Pechini method. <b>2011</b> , 50, 8112-20	123
1175	Single-nanowire single-mode laser. <b>2011</b> , 11, 1122-6	186
1174	A synthetic icosahedral DNA-based host-cargo complex for functional in vivo imaging. <b>2011</b> , 2, 339	187
1173	Molecular spectroscopic studies of farrerol interaction with calf thymus DNA. <b>2011</b> , 59, 8944-52	145
1172	Lanthanide sensitization in II-VI semiconductor materials: a case study with terbium(III) and europium(III) in zinc sulfide nanoparticles. <b>2011</b> , 115, 4031-41	80
1171	Anti-Kasha's rule fluorescence emission in (2-ferrocenyl)indene generated by a twisted intramolecular charge-transfer (TICT) process. <b>2011</b> , 115, 8344-9	41
1170	Graphene oxide based photoinduced charge transfer label-free near-infrared fluorescent biosensor for dopamine. <b>2011</b> , 83, 8787-93	240
1169	Differentiating between fluorescence-quenching metal ions with polyfluorophore sensors built on a DNA backbone. <b>2011</b> , 133, 2664-71	113
1168	Reduction-sensitive liposomes from a multifunctional lipid conjugate and natural phospholipids: reduction and release kinetics and cellular uptake. <b>2011</b> , 27, 10820-9	55
1167	Protein-surfactant interaction: sodium dodecyl sulfate-induced unfolding of ribonuclease A. <b>2011</b> , 115, 14760-7	59
1166	Electrochemical and spectroscopic studies on the conformational structure of hemoglobin assembled on gold nanoparticles. <b>2011</b> , 115, 8627-37	81
1165	Conjugated polyelectrolyte as signal amplifier for fluorogenic probe based enzyme activity study. <b>2011</b> , 2, 417-421	31
1164	Multivalent conjugation of peptides, proteins, and DNA to semiconductor quantum dots. <b>2011</b> , 726, 95-110	6
1163	Large core-shell poly(methyl methacrylate) colloidal clusters: synthesis, characterization, and tracking. <b>2011</b> , 27, 917-27	35

1162	Electrochemical DNA analysis with a supramolecular assembly of naphthalene diimide, ferrocene, and cyclodextrin. <b>2011</b> , 83, 7290-6	20
1161	Two-photon polarization microscopy reveals protein structure and function. <b>2011</b> , 8, 684-90	58
1160	Alkoxy-substituted difluoroboron benzoylmethanes for photonics applications: a photophysical and spectroscopic study. <b>2011</b> , 40, 377-83	43
1159	Interaction of Gold Nanoparticle with Human Serum Albumin (HSA) Protein Using Surface Energy Transfer. <b>2011</b> , 115, 24037-24044	98
1158	Interaction between a cationic porphyrin and bovine serum albumin studied by surface plasmon resonance, fluorescence spectroscopy and cyclic voltammetry. <b>2011</b> , 10, 1110-7	38
1157	Oxazine dye-conjugated dna oligonucleotides: Förster resonance energy transfer in view of molecular dye-DNA interactions. <b>2011</b> , 22, 2546-57	20
1156	Fluorescence solvatochromism in lumichrome and excited-state tautomerization: a combined experimental and DFT study. <b>2011</b> , 115, 2456-64	45
1155	A brief introduction to single-molecule fluorescence methods. <b>2011</b> , 783, 81-99	12
1154	Interplay between gold nanoparticle biosynthesis and metabolic activity of cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <b>2011</b> , 22, 485101	48
1153	9-Piperazine substituted perylene-3,4-dicarboximide as a fluorescent probe in ratiometric analysis. <b>2011</b> , 47, 2291-3	19
1152	Sensitive and selective detection of adenine using fluorescent ZnS nanoparticles. <b>2011</b> , 22, 245502	18
1151	Effect of glycine substitution on Fmoc-diphenylalanine self-assembly and gelation properties. <b>2011</b> , 27, 14438-49	145
1150	Hydrophobic surface induced activation of <i>Pseudomonas cepacia</i> lipase immobilized into mesoporous silica. <b>2011</b> , 27, 12016-24	65
1149	Towards picosecond array detector for single-photon time-resolved multispot parallel analysis. <b>2011</b> , 58, 233-243	6
1148	Lipid-drug interaction: biophysical effects of tolmetin on membrane mimetic systems of different dimensionality. <b>2011</b> , 115, 12615-23	48
1147	Synthesis and Resonance Energy Transfer Study on a Random Terpolymer Containing a 2-(Pyridine-2-yl)thiazole Donor-Type Ligand and a Luminescent [Ru(bpy) <sub>2</sub> (2-(triazol-4-yl)pyridine)] <sup>2+</sup> Chromophore. <b>2011</b> , 44, 6277-6287	46
1146	Highly emissive nano rod-in-rod heterostructures with strong linear polarization. <b>2011</b> , 11, 2054-60	170
1145	Ruthenium(II) Complex Enantiomers as Cellular Probes for Diastereomeric Interactions in Confocal and Fluorescence Lifetime Imaging Microscopy. <b>2011</b> , 2, 397-401	61

1144	Parallel detection of intrinsic fluorescence from peptides and proteins for quantification during mass spectrometric analysis. <b>2011</b> , 83, 2187-93	14
1143	Confocal and Conventional Fluorescence-Based High Throughput Screening in Protein Engineering. <b>2011</b> , 713-751	
1142	Complexin cross-links prefusion SNAREs into a zigzag array. <b>2011</b> , 18, 927-33	118
1141	Novel three-color FRET tool box for advanced protein and DNA analysis. <b>2011</b> , 22, 1852-63	17
1140	Luminol fluorescence quenching in biomimicking environments: sequestration of fluorophore in hydrophobic domain. <b>2011</b> , 115, 10163-72	26
1139	FRET-based biosensor for oleic acid in nanomolar range with quantum dots as an energy donor. <b>2011</b> , 22, 338-45	21
1138	Luminescent silver(I) coordination networks based on bis-(3,5-dimethylpyrazolyl)naphthalene ligands. <b>2011</b> , 13, 1432-1440	11
1137	Log-scale dose response of inhibitors on a chip. <b>2011</b> , 83, 6148-53	14
1136	Interaction of cephalosporins with outer membrane channels of Escherichia coli. Revealing binding by fluorescence quenching and ion conductance fluctuations. <b>2011</b> , 13, 1521-30	20
1135	Oligonucleotide labeling using BODIPY phosphoramidite. <b>2011</b> , 30, 1-11	12
1134	Self-heating and athermal effects on the electroluminescence spectral modulation of an AlGaInP light-emitting diode. <b>2011</b> , 110, 073103	2
1133	Femtosecond study of ultrafast fluorescence resonance energy transfer in a cationic vesicle. <b>2011</b> , 135, 074507	10
1132	Enhanced Trapping Efficiency in Acid-Treated Silica Nanostructures. <b>2011</b> , 115, 22804-22809	19
1131	Efficient light-harvesting antenna with a multi-porphyrin cascade. <b>2011</b> , 133, 13276-9	89
1130	Push-pull aminobithiophenes--highly fluorescent stable fluorophores. <b>2011</b> , 13, 1844-7	42
1129	Tracking of the nuclear wavepacket motion in cyanine photoisomerization by ultrafast pump-dump-probe spectroscopy. <b>2011</b> , 133, 8205-10	27
1128	DNA sensing by amplifying the number of near-infrared emitting, oligonucleotide-encapsulated silver clusters. <b>2011</b> , 83, 5957-64	74
1127	Design of a room-temperature phosphorescence-based molecular beacon for highly sensitive detection of nucleic acids in biological fluids. <b>2011</b> , 83, 1356-62	48

- 1126 Resonant photoconductance of molecular junctions formed in gold nanoparticle arrays. **2011**, 133, 12185-91 34
- 1125 Surface plasmon enhancement in gold nanoparticles in the presence of an optical gain medium: an analysis. **2011**, 44, 425102 16
- 1124 Molecular monolayers as semiconducting channels in field effect transistors. **2012**, 312, 213-37 8
- 1123 Noncovalent interactions between a trinuclear monofunctional platinum complex and human serum albumin. **2011**, 50, 12661-8 118
- 1122 Combination Therapy: Complexing of QDs with Tetrapyrrols and Other Dyes. **2011**, 351-389 2
- 1121 Water-soluble phosphonate-substituted BODIPY derivatives with tunable emission channels. **2011**, 13, 3072-5 67
- 1120 Molecular Orientational Distribution at Interfaces Using Second Harmonic Generation. **2011**, 115, 11678-11683 21
- 1119 Ensemble and Single Molecule Studies on the Use of Metallic Nanostructures to Enhance the Intrinsic Emission of Enzyme Cofactors. **2011**, 115, 7298-7308 15
- 1118 Fluorescent Metal Nanoshells: Lifetime-Tunable Molecular Probes in Fluorescent Cell Imaging. **2011**, 115, 7255-7260 28
- 1117 Studies of the fluorescence light-up effect of amino-substituted benzo[b]quinolizinium derivatives in the presence of biomacromolecules. **2011**, 10, 1535-45 37
- 1116 Quantifying the presence of unwanted fluorescent species in the study of pyrene-labeled macromolecules. **2011**, 115, 9921-9 19
- 1115 Biomedical Applications of Metal-Containing Luminophores. **2011**, 383-406 10
- 1114 Portable Fluorescence Lifetime Detection for Chlorophyll Analysis in Marine Environments. **2011**, 11, 288-295 23
- 1113 Metallic-Nanostructure-Enhanced Fluorescence of Single Flavin Cofactor and Single Flavoenzyme Molecules. **2011**, 115, 7202-7208 7
- 1112 Sensing polymer/DNA polyplex dissociation using quantum dot fluorophores. **2011**, 5, 129-38 31
- 1111 Optical Response of the Polynucleotides-Proteins Interaction. **2011**, 535, 93-110 18
- 1110 New insight in the template decomposition process of large zeolite ZSM-5 crystals: an in situ UV-Vis/fluorescence micro-spectroscopy study. **2011**, 13, 3681-5 29
- 1109 Difluoro-boron-triaza-anthracene: a laser dye in the blue region. Theoretical simulation of alternative difluoro-boron-diaza-aromatic systems. **2011**, 13, 3437-45 39



1108	Hydrodynamic properties of magnetic nanoparticles with tunable shape anisotropy: prediction and experimental verification. <b>2011</b> , 115, 14838-45	38
1107	Steady-state kinetic mechanism of the proline:ubiquinone oxidoreductase activity of proline utilization A (PutA) from <i>Escherichia coli</i> . <b>2011</b> , 516, 113-20	35
1106	Non-invasive imaging of skin physiology and percutaneous penetration using fluorescence spectral and lifetime imaging with multiphoton and confocal microscopy. <b>2011</b> , 77, 469-88	128
1105	Enhanced physical stability of human calcitonin after methionine oxidation. <b>2011</b> , 78, 229-38	9
1104	Engineering polymeric aptamers for selective cytotoxicity. <b>2011</b> , 133, 13380-6	50
1103	Insights into the mechanism of aggregation and fibril formation from bovine serum albumin. <b>2011</b> , 115, 4195-205	142
1102	External-stimuli responsive photophysics and liquid crystal properties of self-assembled "phosphole-lipids". <b>2011</b> , 133, 17014-26	131
1101	Surfactant-induced aggregation patterns of thiazole orange: a photophysical study. <b>2011</b> , 27, 12312-21	31
1100	Metal-Organic Semiconductor Nanostructures for Surface-Enhanced Raman Scattering. <b>2011</b> , 65, 152-158	4
1099	A Note on Determining the Extent of the Water Raman Peak in Fluorescence Spectroscopy. <b>2011</b> , 65, 233-236	19
1098	Multimodal spectral imaging of cells using a transmission diffraction grating on a light microscope. <b>2011</b> , 65, 575-83	4
1097	Fluorescence quantum yields of a series of red and near-infrared dyes emitting at 600-1000 nm. <b>2011</b> , 83, 1232-42	447
1096	Synthesis, antimicrobial and antiproliferative activity of novel silver(I) tris(pyrazolyl)methanesulfonate and 1,3,5-triaza-7-phosphadamantane complexes. <b>2011</b> , 50, 11173-83	71
1095	Fluorescent $\beta$ -cyclodextrins modified by isomeric aminobenzamides: synthesis, conformational analysis, and fluorescent behaviors. <b>2011</b> , 76, 4874-83	14
1094	Carbazole-based cyano-stilbene highly fluorescent microcrystals. <b>2011</b> , 27, 1573-80	64
1093	Effect of sodium chloride on the binding of polyaromatic hydrocarbon guests with sodium cholate aggregates. <b>2011</b> , 10, 1420-30	12
1092	Fluorescence and electroluminescence quenching evidence of interfacial charge transfer in poly(3-hexylthiophene): graphene oxide bulk heterojunction photovoltaic devices. <b>2011</b> , 5, 942-51	74
1091	Ubiquitin ligase parkin promotes Mdm2-arrestin interaction but inhibits arrestin ubiquitination. <b>2011</b> , 50, 3749-63	67

- 1090 Dual intramolecular hydrogen bond as a switch for inducing ground and excited state intramolecular double proton transfer in doxorubicin: an excitation wavelength dependence study. **2011**, 115, 9169-79 32
- 1089 A highly selective redox, chromogenic, and fluorescent chemosensor for Hg<sup>2+</sup> in aqueous solution based on ferrocene-glycine bioconjugates. **2011**, 50, 7066-73 67
- 1088 Absorption and fluorescence of PRODAN in phospholipid bilayers: a combined quantum mechanics and classical molecular dynamics study. **2011**, 115, 11428-37 41
- 1087 Ionic liquid-induced changes in properties of aqueous cetyltrimethylammonium bromide: a comparative study of two protic ionic liquids with different anions. **2011**, 115, 3828-37 37
- 1086 Targeting protein-protein interactions and fragment-based drug discovery. **2012**, 317, 145-79 79
- 1085 Reading and Powering Molecular Machines by Light. **2011**, 595-627 4
- 1084 Highly sensitive and selective turn-on fluorescent and chromogenic probe for Cu<sup>2+</sup> and ClO<sup>-</sup> based on a N-picolinyl rhodamine B-hydrazide derivative. **2011**, 9, 432-7 91
- 1083 Effect of complementary small molecules on the properties of bicomponent hydrogel of riboflavin. **2011**, 9, 770-6 25
- 1082 Bionano donor-acceptor hybrids of porphyrin, ssDNA, and semiconductive single-wall carbon nanotubes for electron transfer via porphyrin excitation. **2011**, 133, 19922-30 44
- 1081 Synthesis and photophysical properties of silica nanoparticles based on europium(iii) complexes. **2011**, 60, 2222-2226
- 1080 Electron- and Energy-Transfer Mechanisms for Fluorescence Modulation with Photochromic Switches. **2011**, 697-717 3
- 1079 Cyclam-methylbenzimidazole: a selective OFF-ON fluorescent sensor for zinc. **2011**, 50, 4029-38 53
- 1078 Investigating protein-protein interactions in living cells using fluorescence lifetime imaging microscopy. **2011**, 6, 1324-40 152
- 1077 Dually switchable heterotetracenes: addressing the photophysical properties and self-organization of the P-S system. **2011**, 133, 1328-40 106
- 1076 Size-Dependent Energy Transfer between CdSe/ZnS Quantum Dots and Gold Nanoparticles. **2011**, 2, 2125-2129 185
- 1075 Wide-Field Multi-Parameter FLIM: long-term minimal invasive observation of proteins in living cells. **2011**, 6, e15820 25
- 1074 The cytosolic domain of Fis1 binds and reversibly clusters lipid vesicles. **2011**, 6, e21384 12
- 1073 The fluorescence properties of aerosol larger than 0.8 μm in urban and tropical rainforest locations. **2011**, 11, 5491-5504 80

1072	Fluorescence Correlation and Cross-Correlation Spectroscopy Using Fluorescent Proteins for Measurements of Biomolecular Processes in Living Organisms. <b>2011</b> , 213-248	4
1071	SpRET: highly sensitive and reliable spectral measurement of absolute FRET efficiency. <b>2011</b> , 17, 176-90	29
1070	Photoluminescence and Electroluminescence, Solid State. <b>2011</b> ,	
1069	Mutational analysis of allosteric activation and inhibition of glucokinase. <b>2011</b> , 440, 203-15	24
1068	Intrinsic noise alters the frequency spectrum of mesoscopic oscillatory chemical reaction systems. <b>2011</b> , 1, 154	12
1067	Combining ocFLIM and FIDSAM reveals fast and dynamic physiological responses at subcellular resolution in living plant cells. <b>2011</b> , 242, 124-31	4
1066	Spectral resolution in conjunction with polar plots improves the accuracy and reliability of FLIM measurements and estimates of FRET efficiency. <b>2011</b> , 244, 21-37	19
1065	A modified phasor approach for analyzing time-gated fluorescence lifetime images. <b>2011</b> , 244, 248-58	44
1064	Signalling pathways underlying structural plasticity of dendritic spines. <b>2011</b> , 163, 1626-38	41
1063	Concepts and tools to exploit the potential of bacterial inclusion bodies in protein science and biotechnology. <b>2011</b> , 278, 2408-18	46
1062	The prion protein binds thiamine. <b>2011</b> , 278, 4002-14	25
1061	In vivo two-photon uncaging of glutamate revealing the structure-function relationships of dendritic spines in the neocortex of adult mice. <b>2011</b> , 589, 2447-57	122
1060	Fluorescence properties and conformation of dibenzoylmethanato boron difluoride in solutions. <b>2011</b> , 45, 501-504	6
1059	Tuning protein autoinhibition by domain destabilization. <b>2011</b> , 18, 550-5	25
1058	Local, persistent activation of Rho GTPases during plasticity of single dendritic spines. <b>2011</b> , 472, 100-4	391
1057	Recent developments in analytical applications of quantum dots. <b>2011</b> , 30, 1620-1636	94
1056	Automated analysis of fluorescence lifetime imaging microscopy (FLIM) data based on the Laguerre deconvolution method. <b>2011</b> , 58, 172-81	28
1055	. <b>2011</b> , 58, 1702-1709	6

1054	Spectroscopic determination of Critical Micelle Concentration in aqueous and non-aqueous media using a non-invasive method. <b>2011</b> , 364, 400-6	43
1053	The binding of 14-3-3 $\beta$ to membranes studied by intrinsic fluorescence spectroscopy. <b>2011</b> , 585, 1163-8	9
1052	Zinc binding to human lactogenic hormones and the human prolactin receptor. <b>2011</b> , 585, 1783-8	7
1051	Following G-quadruplex formation by its intrinsic fluorescence. <b>2011</b> , 585, 3969-77	47
1050	Clusters of proteins in biomembranes: insights into the roles of interaction potential shapes and of protein diversity. <b>2011</b> , 115, 7190-9	27
1049	Nucleic-Acid-Based Switches. <b>2011</b> , 227-256	2
1048	Tuning the Surface Structure and Optical Properties of CdSe Clusters Using Coordination Chemistry. <b>2011</b> , 2, 3075-3080	56
1047	Highly efficient FRET from a single nitrogen-vacancy center in nanodiamonds to a single organic molecule. <b>2011</b> , 5, 7893-8	93
1046	Nanocomposites containing silica-coated gold-silver nanocages and Yb-2,4-dimethoxyhematoporphyrin: multifunctional capability of IR-luminescence detection, photosensitization, and photothermolysis. <b>2011</b> , 5, 7077-89	127
1045	Redistribution of meta-tetra(hydroxyphenyl)chlorin (m-THPC) from conventional and PEGylated liposomes to biological substrates. <b>2011</b> , 10, 911-9	45
1044	Photoinduced processes of the supramolecularly functionalized semi-conductive SWCNTs with porphyrins via ion-pairing interactions. <b>2011</b> , 4, 707-716	35
1043	Comparison of methods and achievable uncertainties for the relative and absolute measurement of photoluminescence quantum yields. <b>2011</b> , 83, 3431-9	141
1042	A Brief History of Fluorescence and Phosphorescence before the Emergence of Quantum Theory. <b>2011</b> , 88, 731-738	144
1041	The synaptic protein neuroligin-1 interacts with the amyloid $\beta$ peptide. Is there a role in Alzheimer's disease?. <b>2011</b> , 50, 8127-37	44
1040	Fast and stable photochromic oxazines for fluorescence switching. <b>2011</b> , 27, 11773-83	65
1039	Bis(carbazolyl)benzodifuran has a high triplet energy level for application in blue phosphorescent OLED. <b>2011</b> , 6, 2296-300	16
1038	Biofunctional silicon nanoparticles by means of thiol-ene click chemistry. <b>2011</b> , 6, 2776-86	64
1037	Monofunctionalized pillar[5]arene as a host for alkanediamines. <b>2011</b> , 133, 5668-71	424

1036	General approach for monitoring peptide-protein interactions based on graphene-peptide complex. <b>2011</b> , 83, 7276-82	85
1035	Artificial light-harvesting antennae: electronic energy transfer by way of molecular funnels. <b>2011</b> , 47, 611-31	338
1034	Photophysics of untethered ZnTPP-fullerene complexes in solution. <b>2011</b> , 115, 12217-27	32
1033	Utilizing dendritic scaffold for feasible formation of naphthalene excimer. <b>2011</b> , 123, 919-926	11
1032	High Stokes shift long-wavelength energy gap regulated fluorescence in the series of nitro/dimethylamino-substituted ortho-analogs of POPOP. <b>2011</b> , 9, 962-971	2
1031	Excitation energy transfer in europium chelate with doxycycline in the presence of a second ligand in micellar solutions of nonionic surfactants. <b>2011</b> , 110, 60-66	3
1030	Spectral studies of photomodification of blood by therapeutic doses of optical radiation at different wavelengths. <b>2011</b> , 110, 306-312	4
1029	Spectral properties of anionic form of 3-hydroxyflavone. <b>2011</b> , 110, 550-556	7
1028	Temporal dependences of dipole moments of prodan molecules. <b>2011</b> , 110, 705-713	1
1027	Fluorescent analysis of the structural changes of human serum albumin induced by low temperatures in water-dimethyl sulfoxide solutions. <b>2011</b> , 85, 317-320	4
1026	Multiband fluorescence spectral properties of QMOM. <b>2011</b> , 85, 254-259	1
1025	Mechanisms of molecular polarization of bithiophenesilane dendrimers in solutions. <b>2011</b> , 53, 569-577	2
1024	Recent advancements in optical DNA biosensors: exploiting the plasmonic effects of metal nanoparticles. <b>2011</b> , 136, 436-47	106
1023	Proteolipidic composition of exosomes changes during reticulocyte maturation. <b>2011</b> , 286, 34426-39	126
1022	Analyzing nanomaterial bioconjugates: a review of current and emerging purification and characterization techniques. <b>2011</b> , 83, 4453-88	351
1021	Long-distance FRET analysis: a Monte Carlo simulation study. <b>2011</b> , 115, 10120-5	25
1020	Length-dependent aggregation of uninterrupted polyalanine peptides. <b>2011</b> , 50, 9200-11	39
1019	Spectroscopic properties of nanotube-chromophore hybrids. <b>2011</b> , 5, 7767-74	46

1018	Fluorescent properties of thiochrome in solvents of different polarity. <b>2011</b> , 78, 337-343	5
1017	A method to study polydispersity of humic acid from fluorescence quenching by Cu <sup>2+</sup> ions. <b>2011</b> , 78, 705-710	2
1016	Luminescent method for determining low concentrations of a substance in optically dense media. <b>2011</b> , 78, 725-732	1
1015	Host-guest association studied by fluorescence correlation spectroscopy. <b>2011</b> , 70, 259-268	19
1014	Polymer-and glass-based fluorescence standards for the near infrared (NIR) spectral region. <b>2011</b> , 21, 953-61	11
1013	Spectroscopic studies of intramolecular proton transfer in 2-(4-fluorophenylamino)-5-(2,4-dihydroxybenzeno)-1,3,4-thiadiazole. <b>2011</b> , 21, 1-10	15
1012	Global analysis of dynamic fluorescence anisotropy by a polarized phasor approach. <b>2011</b> , 21, 11-5	1
1011	Spectroscopic studies on the thermodynamics of L-cysteine capped CdSe/CdS quantum dots-BSA interactions. <b>2011</b> , 21, 17-24	43
1010	Uranyl soil extraction and fluorescence enhancement by nanoporous silica gel: pH effects. <b>2011</b> , 21, 119-24	5
1009	N-(2-(N',N'-diethylamino)ethyl)perylene-3,4-dicarboximide and its quaternized derivatives as fluorescence probes of acid, temperature, and solvent polarity. <b>2011</b> , 21, 213-22	18
1008	Excitation-wavelength dependent fluorescence of ethyl 5-(4-aminophenyl)-3-amino-2,4-dicyanobenzoate. <b>2011</b> , 21, 239-45	24
1007	Tryptophan-tryptophan energy transfer and classification of tryptophan residues in proteins using a therapeutic monoclonal antibody as a model. <b>2011</b> , 21, 275-88	16
1006	Synthesis and spectroscopic study of several novel annulated azulene and azafluoranthene based derivatives. <b>2011</b> , 21, 443-51	13
1005	Kinetics of surfactant-induced aggregation of lysozyme studied by fluorescence spectroscopy. <b>2011</b> , 21, 615-25	16
1004	Towards nanoscale biomedical devices in medicine: biofunctional and spectroscopic characterization of superparamagnetic nanoparticles. <b>2011</b> , 21, 663-72	5
1003	Spectrofluorimetric determination of coumarin in commercial tablets. <b>2011</b> , 21, 733-8	5
1002	Solvatochromic and fluorescence behavior of sulfisoxazole. <b>2011</b> , 21, 1061-7	11
1001	pH-Induced conformational isomerization of bovine serum albumin studied by extrinsic and intrinsic protein fluorescence. <b>2011</b> , 21, 1083-90	50

1000	Molecular recognition of the antiretroviral drug abacavir: towards the development of a novel carbazole-based fluorosensor. <b>2011</b> , 21, 1195-204	2
999	Mechanisms of ceftazidime and ciprofloxacin transport through porins in multidrug-resistance developed by extended-spectrum beta-lactamase E.coli strains. <b>2011</b> , 21, 1421-9	6
998	Binding interactions of Toluidine Blue O with Escherichia coli DNA: formation of bridged structure. <b>2011</b> , 21, 1439-53	24
997	Fluorescence study of lipid bilayer interactions of Eu(III) coordination complexes. <b>2011</b> , 21, 1689-95	8
996	Influence of prototropic reactions on the absorption and fluorescence spectra of methyl p-dimethylaminobenzoate and its two ortho derivatives. <b>2011</b> , 21, 1749-62	10
995	Phase differential enhancement of FLIM to distinguish FRET components of a biosensor for monitoring molecular activity of Membrane Type 1 Matrix Metalloproteinase in live cells. <b>2011</b> , 21, 1763-77	7
994	Fluorimetric study on the interaction between Norfloxacin and Proflavine hemisulphate. <b>2011</b> , 21, 1789-96	5
993	Spectroscopic investigation on the synergistic effects of ultrasound and dioxopromethazine hydrochloride on protein. <b>2011</b> , 21, 1847-56	6
992	Spectroscopic studies on TiO(2) enhanced binding of Hypocrellin B with DNA. <b>2011</b> , 21, 1887-95	10
991	Fluorescence studies of gold(III)-norfloxacin complexes in aqueous solutions. <b>2011</b> , 21, 1933-40	8
990	Aurones: small molecule visible range fluorescent probes suitable for biomacromolecules. <b>2011</b> , 21, 2173-84	27
989	Photoactivated green fluorescence emission by femtosecond oscillator from indole solutions. <b>2011</b> , 21, 2185-91	
988	Solvent effect profiles of absorbance and fluorescence spectra of some indole based chalcones. <b>2011</b> , 21, 2213-27	20
987	Spectrofluorimetric Studies of the Interaction Between Quinine Sulfate and Riboflavin. <b>2011</b> , 40, 211-223	12
986	Characterization of Phenosafranine-Hemoglobin Interactions in Aqueous Solution. <b>2011</b> , 40, 231-246	23
985	Interaction Between Plumbagin and Human Serum Albumin by Fluorescence Spectroscopy. <b>2011</b> , 40, 709-718	12
984	Probing the Binding of Rifampicin to Bovine Serum Albumin in Aqueous Solution. <b>2011</b> , 40, 1711-1723	15
983	Multi-spectroscopic Investigations of Aspirin and Colchicine Interactions with Human Hemoglobin: Binary and Ternary Systems. <b>2011</b> , 40, 1905-1931	59

982	Quantitative glucose and ATP sensing in mammalian cells. <b>2011</b> , 28, 2745-57	40
981	Studies on the interaction between benzophenone and bovine serum albumin by spectroscopic methods. <b>2011</b> , 38, 2445-53	28
980	The investigation of the interaction between ribavirin and bovine serum albumin by spectroscopic methods. <b>2011</b> , 38, 4185-92	38
979	Cobalt (II) coordination polymers based on 3,5-dinitrobenzoate and flexible bis(benzimidazole) derivatives bearing different spacer lengths and substituents. <b>2011</b> , 36, 891-896	11
978	Templating $\alpha$ -amylase peptide inhibitors with organotin compounds. <b>2011</b> , 16, 1197-204	3
977	Method for determination of microcystin-leucine-arginine in water samples based on the quenching of the fluorescence of bioconjugates between CdSe/CdS quantum dots and microcystin-leucine-arginine antibody. <b>2011</b> , 173, 259-266	18
976	Labaditin, a cyclic peptide with rich biotechnological potential: preliminary toxicological studies and structural changes in water and lipid membrane environment. <b>2011</b> , 40, 135-44	19
975	Characterization of calmodulin binding domains in TRPV2 and TRPV5 C-tails. <b>2011</b> , 40, 741-8	33
974	Time correlated fluorescence characterization of an asymmetrically focused flow in a microfluidic device. <b>2011</b> , 10, 551-561	9
973	A calibration method for broad-bandwidth cavity enhanced absorption spectroscopy performed with supercontinuum radiation. <b>2011</b> , 102, 271-278	18
972	Fluorescence spectroscopy and molecular dynamics simulations in studies on the mechanism of membrane destabilization by antimicrobial peptides. <b>2011</b> , 68, 2281-301	42
971	Nucleic acid-based fluorescent probes and their analytical potential. <b>2011</b> , 399, 3157-76	174
970	Sensitive and selective fluorescence detection of guanosine nucleotides by nanoparticles conjugated with a naphthyridine receptor. <b>2011</b> , 399, 1215-22	14
969	Study of non-covalent interactions of luotonin A derivatives and the DNA minor groove as a first step in the study of their analytical potential as DNA probes. <b>2011</b> , 400, 321-7	17
968	Conjugation reactions in the preparations of quantum dot-based immunoluminescent probes for analysis of proteins by capillary electrophoresis. <b>2011</b> , 400, 369-79	17
967	Effect of halogenated fluorescent compounds on bioluminescent reactions. <b>2011</b> , 400, 343-51	19
966	Raman detection of localized transferrin-coated gold nanoparticles inside a single cell. <b>2011</b> , 401, 1631-9	26
965	Interactions between tannins and proteins isolated from broad bean seeds ( <i>Vicia faba</i> Major) yield soluble and non-soluble complexes. <b>2011</b> , 233, 213-222	35



964	Study of the physicochemical properties of the BSA: flavonoid nanoparticle. <b>2011</b> , 233, 275-283	14
963	Penetration of lysozyme and cytochrome C in lipid bilayer: fluorescent study. <b>2011</b> , 242, 95-103	6
962	Biophysical characterization of Entamoeba histolytica phosphoserine aminotransferase (EhPSAT): role of cofactor and domains in stability and subunit assembly. <b>2011</b> , 40, 599-610	8
961	Transverse and tangential orientation of predicted transmembrane fragments 4 and 10 from the human multidrug resistance protein (hMRP1/ABCC1) in membrane mimics. <b>2011</b> , 40, 1043-60	7
960	Controlled spatial distribution of tris(2,2'-bipyridine)ruthenium cation ([Ru(bpy) <sub>3</sub> ] <sup>2+</sup> ) in aluminum containing mesoporous silicas. <b>2011</b> , 142, 363-370	14
959	Spectroscopic and molecular modeling studies on the interaction between a fluorine-containing triazole derivative and human serum albumin. <b>2011</b> , 143, 562-78	8
958	Synthesis of morin-zinc(II) complex and its interaction with serum albumin. <b>2011</b> , 143, 677-87	11
957	Different binding affinities of Pb <sup>2+</sup> and Cu <sup>2+</sup> to glycosylation variants of human serum transferrin interfere with the detection of carbohydrate-deficient transferrin. <b>2011</b> , 144, 487-95	5
956	Non fitting based FRET-FLIM analysis approaches applied to quantify protein-protein interactions in live cells. <b>2011</b> , 3, 63-70	16
955	Gas-phase fluorescence excitation and emission spectroscopy of three xanthene dyes (rhodamine 575, rhodamine 590 and rhodamine 6G) in a quadrupole ion trap mass spectrometer. <b>2011</b> , 22, 93-109	59
954	Biophysical studies of the interaction between a triazole derivative and bovine serum albumin by multi-spectroscopic and molecular modeling methods. <b>2011</b> , 54, 788-796	13
953	DNA template-synthesized silver nanoparticles: A new platform for high-performance fluorescent biosensing of biothiols. <b>2011</b> , 54, 1266-1272	12
952	Design and characterization of protein-quercetin bioactive nanoparticles. <b>2011</b> , 9, 19	38
951	Stink bug feeding induces fluorescence in developing cotton bolls. <b>2011</b> , 5, 11	4
950	A Bayesian method for inferring quantitative information from FRET data. <b>2011</b> , 4, 10	3
949	Membrane color and gas permeability of 6FDA-TeMPD polyimide membranes prepared with various membrane preparation protocols. <b>2011</b> , 51, 2360-2369	17
948	Intrinsic disorder of Drosophila melanogaster hormone receptor 38 N-terminal domain. <b>2011</b> , 79, 376-92	13
947	Photoluminescence study of LaF <sub>3</sub> :Eu <sup>3+</sup> nanoparticles capped with different ligands. <b>2011</b> , 248, 439-443	10

946	Photoresponsive self-assembling structures from a pyrene-based triblock copolymer. <b>2011</b> , 49, 4448-4457	20
945	Structure-Property relationships for exciton transfer in conjugated polymers. <b>2011</b> , 49, 476-498	74
944	High-throughput measurement, correlation analysis, and machine-learning predictions for pH and thermal stabilities of Pfizer-generated antibodies. <b>2011</b> , 20, 1546-57	50
943	Synthesis of hybrid nanocomposites based on new triazeno copolymers and montmorillonite used for detecting metal ions. <b>2011</b> , 60, 102-111	9
942	Proton coupled electron transfer reaction of phenols with excited state ruthenium(II) $\pi$ -polypyridyl complexes. <b>2011</b> , 24, 14-21	9
941	One-pot synthesis of near-infrared fluorescent gold clusters for cellular fluorescence lifetime imaging. <b>2011</b> , 7, 2614-20	305
940	Resizing metal-coated nanopores using a scanning electron microscope. <b>2011</b> , 7, 2736-41	6
939	Emerging applications of nanotechnology for the diagnosis and management of vulnerable atherosclerotic plaques. <b>2011</b> , 3, 620-46	14
938	UV resonance Raman study of cation- $\pi$ interactions in an indole crown ether. <b>2011</b> , 42, 633-638	21
937	Single molecule microscopy methods for the study of DNA origami structures. <b>2011</b> , 74, 688-98	19
936	Room Temperature Multifunctional Organophosphorus Gels and Liquid Crystals. <b>2011</b> , 21, 4088-4099	40
935	Synthesis of Highly Luminescent and Anion-Exchangeable Cerium-Doped Layered Yttrium Hydroxides for Sensing and Photofunctional Applications. <b>2011</b> , 21, 4388-4396	50
934	Highly polarized emission from oriented films incorporating water-soluble conjugated polymers in a polyvinyl alcohol matrix. <b>2011</b> , 23, 1855-9	24
933	Microfluidic chips for point-of-care immunodiagnosics. <b>2011</b> , 23, H151-76	349
932	Electrochemical tuning of luminescent carbon nanodots: from preparation to luminescence mechanism. <b>2011</b> , 23, 5801-6	743
931	New Fluorophore Design. <b>2011</b> , 253-273	
930	Shape-Persistent Macrocycles as Ligands and Sensitisers of Nd <sup>3+</sup> Ions. <b>2011</b> , 2011, 1479-1486	5
929	Phenylacetylene: a hydrogen bonding chameleon. <b>2011</b> , 12, 26-46	25

928	FRET microscopy in 2010: the legacy of Theodor Förster on the 100th anniversary of his birth. <b>2011</b> , 12, 462-74	106
927	Exploring the drug-binding site Sudlow I of human serum albumin: the role of water and Trp214 in molecular recognition and ligand binding. <b>2011</b> , 12, 270-4	46
926	FRET and FCS--friends or foes?. <b>2011</b> , 12, 532-41	25
925	Probing deuterium isotope effect on structure and solvation dynamics of human serum albumin. <b>2011</b> , 12, 814-22	10
924	Effect of surface modification on semiconductor nanocrystal fluorescence lifetime. <b>2011</b> , 12, 919-29	25
923	Emissive nucleosides as molecular rotors. <b>2011</b> , 12, 567-70	82
922	Origin of the red sites and energy transfer rates in single MEH-PPV chains at low temperature. <b>2011</b> , 12, 1499-508	37
921	Multisensing emissive pyrimidine. <b>2011</b> , 12, 2260-5	35
920	Diameter-sorted SWCNT-porphyrin and SWCNT-phthalocyanine conjugates for light-energy harvesting. <b>2011</b> , 12, 2266-73	46
919	Development of a Selective, Sensitive, and Reversible Biosensor by the Genetic Incorporation of a Metal-Binding Site into Green Fluorescent Protein. <b>2011</b> , 123, 6664-6667	13
918	High Stokes Shift Anilido-Pyridine Boron Difluoride Dyes. <b>2011</b> , 123, 12422-12425	38
917	Development of a selective, sensitive, and reversible biosensor by the genetic incorporation of a metal-binding site into green fluorescent protein. <b>2011</b> , 50, 6534-7	50
916	High Stokes shift anilido-pyridine boron difluoride dyes. <b>2011</b> , 50, 12214-7	213
915	Use of the environmentally sensitive fluorophore 4-N,N-dimethylamino-1,8-naphthalimide to study peptoid helix structures. <b>2011</b> , 96, 627-38	23
914	Minireview: structural insights into early folding events using continuous-flow time-resolved small-angle X-ray scattering. <b>2011</b> , 95, 550-8	44
913	Chemical and photophysical mechanism of fluorescence enhancement of 3-quinolineboronic acid upon change of pH and binding with carbohydrates. <b>2011</b> , 26, 494-9	9
912	Comparison of PARAFAC and PARALIND in modeling three-way fluorescence data array with special linear dependences in three modes: a case study in 2-naphthol. <b>2011</b> , 25, 20-27	14
911	Photochemical charge separation in closely positioned donor-boron dipyrin-fullerene triads. <b>2011</b> , 17, 3147-56	57

910	Dendritic ruthenium(II)-based dyes tuneable for diagnostic or therapeutic applications. <b>2011</b> , 17, 464-7	30
909	Tunable emission of static excimer in a pyrene-modified polyamidoamine dendrimer aggregate through positive solvatochromism. <b>2011</b> , 17, 8609-17	45
908	Bridging the gap between porphyrins and porphycenes: substituent-position-sensitive tautomerism and photophysics in meso-diphenyloctaethylporphyrins. <b>2011</b> , 17, 10039-49	18
907	Red-emitting dyes with photophysical and photochemical properties controlled by pH. <b>2011</b> , 17, 14273-82	26
906	A microenvironment-sensitive fluorescent pyrimidine ribonucleoside analogue: synthesis, enzymatic incorporation, and fluorescence detection of a DNA abasic site. <b>2011</b> , 17, 12820-7	60
905	A luminescent host-guest hybrid between a Eu(III) complex and MWCNTs. <b>2011</b> , 17, 8533-7	21
904	Efficient complexation of pyrrole-bridged dizinc(II) bisporphyrin with fluorescent probe pyrene: synthesis, structure, and photoinduced singlet-singlet energy transfer. <b>2011</b> , 17, 11478-87	40
903	Near-infrared fluorescent nanoparticles formed by self-assembly of lipidic (Bodipy) dyes. <b>2011</b> , 17, 11709-14	50
902	Quenching of the luminescence of upconverting luminescent nanoparticles by heavy metal ions. <b>2011</b> , 17, 14611-7	81
901	Water-soluble distyrylbenzenes: one core with two sensory responses--turn-on and ratiometric. <b>2011</b> , 17, 13726-31	8
900	Use of fluorescence lifetime technology to provide efficient protection from false hits in screening applications. <b>2011</b> , 409, 89-97	10
899	Fluorescence quenching of carmoisine by viologens in neat methanol: Observation of inversion in quenching. <b>2011</b> , 507, 234-239	4
898	Classification of novel thiazole compounds for sensitizing Ru <sup>II</sup> polypyridine complexes for artificial light harvesting. <b>2011</b> , 131, 1149-1153	14
897	Synthesis of calixarene-based ketocyanine fluorophores. <b>2011</b> , 52, 3922-3925	2
896	Influence of the length and grafting density of PNIPAM chains on the colloidal and optical properties of quantum dot/PNIPAM assemblies. <b>2011</b> , 22, 265701	8
895	Fluorescence of Influenza Hemagglutinin Surface Protein. <b>2011</b> ,	
894	Concentration-dependent fluorescence live-cell imaging and tracking of intracellular nanoparticles. <b>2011</b> , 22, 235101	10
893	pH-sensitive photoluminescence for aqueous thiol-capped CdTe nanocrystals. <b>2011</b> , 22, 315703	30

892	Fundamental limits in single-molecule orientation measurements. <b>2011</b> , 13, 093013	9
891	The beta subunit loop that couples catalysis and rotation in ATP synthase has a critical length. <b>2011</b> , 286, 29788-96	17
890	Membrane environment exerts an important influence on rac-mediated activation of phospholipase C $\alpha$ . <b>2011</b> , 31, 1240-51	21
889	Quenching dynamics in CdSe/ZnS core/shell quantum dots-gold nanoparticle conjugates in aqueous solution. <b>2011</b> , 109, 124310	15
888	Measurement of luminescence decays: High performance at low cost. <b>2011</b> , 79, 1104-1111	8
887	A CMOS imager with digital phase readout for fluorescence lifetime imaging. <b>2011</b> ,	7
886	Versatile multispectral microscope based on light emitting diodes. <b>2011</b> , 82, 123106	23
885	Structural change of a cofactor binding site of flavoprotein detected by single-protein fluorescence spectroscopy at 1.5K. <b>2011</b> , 106, 078101	14
884	Persistent polarization memory in sexithiophene nanostructures. <b>2011</b> , 83,	
883	The effect of intensity of excitation on CdSe/ZnS quantum dots: Opportunities in luminescence sensing. <b>2011</b> , 98, 021108	8
882	Efficient nonradiative energy transfer from InGaN/GaN nanopillars to CdSe/ZnS core/shell nanocrystals. <b>2011</b> , 98, 163108	23
881	Systematic study of sensitized LaF <sub>3</sub> :Eu <sup>3+</sup> nanoparticles. <b>2011</b> , 109, 023506	38
880	A single chip fluorometer for fluorescence lifetime spectroscopy in 65nm CMOS. <b>2011</b> ,	
879	Low axial drift stage and temperature controlled liquid cell for z-scan fluorescence correlation spectroscopy in an inverted confocal geometry. <b>2011</b> , 82, 053708	3
878	Heterogeneous integration of Polymer Porous Photonic Bandgap Structure with Xerogel based Biochemical Sensors. <b>2011</b> , 1301, 213	2
877	Noteccarin D binds human factor V and factor Va with high affinity in the absence of membranes. <b>2011</b> , 286, 38286-38297	7
876	Electrokinetic trapping at the one nanometer limit. <b>2011</b> , 108, 8937-42	97
875	Change in conformation with reduction of alpha-helix content causes loss of neutrophil binding activity in fully cytotoxic Shiga toxin 1. <b>2011</b> , 286, 34514-21	13

- 874 NMR structures and interactions of temporin-1Tl and temporin-1Tb with lipopolysaccharide micelles: mechanistic insights into outer membrane permeabilization and synergistic activity. **2011**, 286, 24394-406 73
- 873 Anti-Tumor Chloroquine-Gold Nanocomposites and their Binding Interaction with Bovine Serum Albumin: Biophysical and Biochemical Aspects of Protein Binding. **2011**, 1316, 1
- 872 Formation and photoinduced properties of zinc porphyrin-SWCNT and zinc phthalocyanine-SWCNT nano hybrids using diameter sorted nanotubes assembled via metal-ligand coordination and  $\pi$  stacking. **2011**, 15, 1033-1043 18
- 871 Angular momentum conservation in dipolar energy transfer. **2011**, 334, 1684-7 29
- 870 Novel imaging method and optimized demodulation pixels for wide-field Fluorescence Lifetime Imaging Microscopy. **2011**, 4
- 869 Phosphoinositide 3-kinase regulates plasma membrane targeting of the Ras-specific exchange factor RasGRP1. **2011**, 286, 12712-23 15
- 868 Dynamics of the T4 bacteriophage DNA packasome motor: endonuclease VII resolvase release of arrested Y-DNA substrates. **2011**, 286, 18878-89 22
- 867 Metal-driven operation of the human large-conductance voltage- and  $\text{Ca}^{2+}$ -dependent potassium channel (BK) gating ring apparatus. **2011**, 286, 20701-9 22
- 866 An ion-insensitive cAMP biosensor for long term quantitative ratiometric fluorescence resonance energy transfer (FRET) measurements under variable physiological conditions. **2011**, 286, 23419-31 27
- 865 Fluorescence detections and directions. **2011**, 22, 052002 15
- 864 The stoichiometry of the Escherichia coli Hfq protein bound to RNA. **2011**, 17, 489-500 43
- 863 Fluorescence lifetime measurement from a designated single-bunch in the BEPC II colliding mode. **2011**, 35, 969-973
- 862 Fluorescence Quenching of 2-Amino-9-Hydroxy Fluorene by Chloromethanes. **2011**, 44, 251-257
- 861 Red-shifted fluorescence of sound dental hard tissue. **2011**, 16, 071411 18
- 860 Detection of CXCR4 receptors on cell surface using a fluorescent metal nanoshell. **2011**, 16, 016011 8
- 859 A ratiometric probe for the selective time-gated luminescence detection of potassium in water. **2011**, 47, 541-3 45
- 858 Response of rigor cross-bridges to stretch detected by fluorescence lifetime imaging microscopy of myosin essential light chain in skeletal muscle fibers. **2011**, 286, 842-50 12
- 857 Wavelength-resolved measurements of fluorescence lifetime of indocyanine green. **2011**, 16, 067010 38

856	Dissecting amelogenin protein nanospheres: characterization of metastable oligomers. <b>2011</b> , 286, 34643-53	54
855	Targeting TLR4 signaling by TLR4 Toll/IL-1 receptor domain-derived decoy peptides: identification of the TLR4 Toll/IL-1 receptor domain dimerization interface. <b>2011</b> , 186, 4819-27	63
854	Challenge of Optical Spectroscopies. <b>2011</b> , 11-24	1
853	Alpha-synuclein interacts with Glucocerebrosidase providing a molecular link between Parkinson and Gaucher diseases. <b>2011</b> , 286, 28080-8	130
852	Photodynamically active phthalocyanine building blocks for click chemistry. <b>2011</b> , 15, 1062-1069	7
851	Static and Dynamic Quenching of Tryptophan Fluorescence in Various Proteins by a Chromium (III) Complex. <b>2011</b> , 44, 369-374	17
850	Deep-tissue anatomical imaging of mice using carbon nanotube fluorophores in the second near-infrared window. <b>2011</b> , 108, 8943-8	705
849	A 32B2 single photon avalanche diode imager with delay-insensitive address-event readout. <b>2011</b> ,	2
848	Direct imaging of DNA motif sequences with encoded nanoparticles. <b>2011</b> , 2011, 4770-3	
847	The effects of excited state lifetime, optical intensity, and excited state quenchers on the photostability of zwitterionic chromophores. <b>2011</b> , 110, 083524	11
846	Investigation on the interaction between 3, 5-dihydroxytoluene and bovine serum albumin by fluorescence spectroscopy. <b>2011</b> ,	
845	Nanomaterials for Radiation Therapy. <b>2011</b> ,	
844	Photoinduced electron transfer in a directly linked meso-triphenylamine zinc porphyrin-quinone dyad. <b>2011</b> , 15, 391-400	8
843	Metal ion complexation in acetonitrile by cone, di-ionised calix[4]arene-1,2-crown ethers with two pendant dansyl fluorophores. <b>2011</b> , 23, 743-752	1
842	BIO-SENSING SENSITIVITY OF A NANOPARTICLE BASED ULTRAVIOLET PHOTODETECTOR. <b>2011</b> , 20, 505-513	3
841	Bloch surface waves-controlled emission of organic dyes grafted on a one-dimensional photonic crystal. <b>2011</b> , 99, 043302	63
840	A computational study of ultrafast acid dissociation and acid-base neutralization reactions. II. The relationship between the coordination state of solvent molecules and concerted versus sequential acid dissociation. <b>2011</b> , 134, 094505	9
839	Two-photon microscopy and fluorescence lifetime imaging reveal stimulus-induced intracellular Na <sup>+</sup> and Cl <sup>-</sup> changes in cockroach salivary acinar cells. <b>2011</b> , 300, C1323-36	24

- 838 Spectroscopic study on the inclusion complexation of L-tyrosine by p-sulphonatocalix[6]arene at different pH values. **2012**, 50, 652-660
- 837 Non-specific protein-DNA interactions control I-Crel target binding and cleavage. **2012**, 40, 6936-45 22
- 836 Spectrofluorimetry. **2012**, 97-129
- 835 Intrinsic flexibility of snRNA hairpin loops facilitates protein binding. **2012**, 18, 1984-95 15
- 834 Fatty acids bind tightly to the N-terminal domain of angiopoietin-like protein 4 and modulate its interaction with lipoprotein lipase. **2012**, 287, 29739-52 23
- 833 Impacts of Sampling Dissolved Organic Matter with Passive Capillary Wicks Versus Aqueous Soil Extraction. **2012**, 76, 2019-2030 14
- 832 Custom single-photon avalanche diode with integrated front-end for parallel photon timing applications. **2012**, 83, 033104 7
- 831 A key agonist-induced conformational change in the cannabinoid receptor CB1 is blocked by the allosteric ligand Org 27569. **2012**, 287, 33873-82 35
- 830 Myosin and tropomyosin stabilize the conformation of formin-nucleated actin filaments. **2012**, 287, 31894-904 17
- 829 Two-step mechanism for modifier of transcription 1 (Mot1) enzyme-catalyzed displacement of TATA-binding protein (TBP) from DNA. **2012**, 287, 9002-12 10
- 828 Imaging intracellular signaling using two-photon fluorescent lifetime imaging microscopy. **2012**, 2012, 1121-8 11
- 827 Modeling of fiber-optic fluorescence probes for strongly absorbing samples. **2012**, 51, 6343-51 14
- 826 Single-Molecule Photocontrol and Nanoscopy. **2012**, 87-110
- 825 Imaging protein complex formation in the autophagy pathway: analysis of the interaction of LC3 and Atg4B(C74A) in live cells using Förster resonance energy transfer and fluorescence recovery after photobleaching. **2012**, 17, 011008 17
- 824 Long-distance fluorescence lifetime imaging using stimulated emission. **2012**, 17, 011009 7
- 823 Fabrication and photoluminescence of SiC quantum dots stemming from 3C, 6H, and 4H polytypes of bulk SiC. **2012**, 101, 131906 54
- 822 Long range surface plasmon resonance and enhanced fluorescence near the ultra-violet vacuum cutoff limit. **2012**, 111, 084702 8
- 821 Time-resolved hyperspectral fluorescence spectroscopy using frequency-modulated excitation. **2012**, 112, 013109 4



820 Indicators for optical oxygen sensors. **2012**, 1-70

819 Energy transfer from conjugated polymer to bacterial light-harvesting complex. **2012**, 101, 173703

8

818 Lead Complexation of Soluble and Bound Extracellular Polymeric Substances from Activated Sludge: Characterized with Fluorescence Spectroscopy and Ftir Spectroscopy. **2012**, 26, 3371-3377

10

817 High pressure sample cell for total internal reflection fluorescence spectroscopy at pressures up to 2500 bar. **2012**, 83, 085109

10

816 A new method to estimate abundances of multiple components using multi-spectral fluorescence lifetime imaging microscopy. **2012**, 2012, 1081-4

1

815 Bunched photon statistics of the spectrally diffusive photoluminescence of single self-assembled GaAs quantum dots. **2012**, 86,

17

814 Quantitative diagnosis of cervical precancer using fluorescence intensity and lifetime imaging from the stroma. **2012**,

813 Comparison of photo detectors and operating conditions for decay time determination in phosphor thermometry. **2012**, 83, 094901

11

812 Controlled energy transfer between isolated donor-acceptor molecules intercalated in thermally self-ensemble two-dimensional hydrogen bonding cages. **2012**, 86,

4

811 An empirical quantitative fluorescence resonance energy transfer method for multiple acceptors based on partial acceptor photobleaching. **2012**, 100, 253701

15

810 Investigation of algorithms for the reliable classification of fluorescently labeled plastics. **2012**,

2

809 Deoxycholate induced tetramer of A-crystallin and sites of phosphorylation: fluorescence correlation spectroscopy and femtosecond solvation dynamics. **2012**, 136, 155101

5

808 The human spatiotemporal comfort zone and its technology-based enhancement. **2012**,

807 A Time-Resolved CMOS Image Sensor With Draining-Only Modulation Pixels for Fluorescence Lifetime Imaging. **2012**, 59, 2715-2722

63

806 Probing the interaction of human serum albumin with bilirubin in the presence of aspirin by multi-spectroscopic, molecular modeling and zeta potential techniques: insight on binary and ternary systems. **2012**, 29, 1013-50

73

805 Fluorescence Spectroscopy in Food Analysis. **2012**,

7

804 Sometimes it takes two to tango: contributions of dimerization to functions of human  $\alpha$ -defensin HNP1 peptide. **2012**, 287, 8944-53

39

803 Mechanisms for defining supercoiling set point of DNA gyrase orthologs: I. A nonconserved acidic C-terminal tail modulates Escherichia coli gyrase activity. **2012**, 287, 18636-44

42

802	Unraveling interactions of cell cycle-regulating proteins Sic1 and B-type cyclins in living yeast cells: a FLIM-FRET approach. <b>2012</b> , 26, 546-54	12
801	Modulation of the <i>Pyrococcus abyssi</i> NucS endonuclease activity by replication clamp at functional and structural levels. <b>2012</b> , 287, 15648-60	18
800	Nucleotide activation of the Ca-ATPase. <b>2012</b> , 287, 39070-82	20
799	Orientation and rotational motions of single molecules by polarized total internal reflection fluorescence microscopy (polTIRFM). <b>2012</b> , 2012,	14
798	Single-molecule multiparameter fluorescence spectroscopy reveals directional MutS binding to mismatched bases in DNA. <b>2012</b> , 40, 5448-64	37
797	On the origin of multiphasic kinetics in peptide binding to phospholipid vesicles. <b>2012</b> , 116, 951-7	6
796	Short-Distance FRET Applied to the Polypeptide Chain. <b>2012</b> , 99-130	
795	An information theoretical analysis of broadcast networks and channel routing for FRET-based nanoscale communications. <b>2012</b> ,	7
794	Synthesis, characterization, and thermodynamic studies of the interaction of some new water-soluble Schiff-base complexes with bovine serum albumin. <b>2012</b> , 65, 722-739	12
793	Visualization of pH and pCl Distributions: Initiation and Propagation Criteria for Crevice Corrosion of Stainless Steel. <b>2012</b> , 159, C289-C297	30
792	Low-threshold nanolasers based on slab-nanocrystals of H-aggregated organic semiconductors. <b>2012</b> , 24, OP216-20	78
791	QUANTITATIVE FRET MEASUREMENT BASED ON CONFOCAL MICROSCOPY IMAGING AND PARTIAL ACCEPTOR PHOTOBLEACHING. <b>2012</b> , 05, 1250015	4
790	Conformational relaxations of human serum albumin studied by molecular dynamics simulations with pressure jumps. <b>2012</b> , 28, 486-492	5
789	A fluorescent biosensor reveals conformational changes in human immunoglobulin E Fc: implications for mechanisms of receptor binding, inhibition, and allergen recognition. <b>2012</b> , 287, 17459-17470 <sup>41</sup>	
788	Calmodulin and S100A1 protein interact with N terminus of TRPM3 channel. <b>2012</b> , 287, 16645-55	36
787	Quantitative analysis of prenylated RhoA interaction with its chaperone, RhoGDI. <b>2012</b> , 287, 26549-62	31
786	Single photon counting fluorescence lifetime detection of pericellular oxygen concentrations. <b>2012</b> , 17, 016007	28
785	Comparative evaluation of differential laser-induced perturbation spectroscopy as a technique to discriminate emerging skin pathology. <b>2012</b> , 17, 067002	5

784	Tailoring Fluorescent Labels for Far-Field Nanoscopy. <b>2012</b> , 159-188	2
783	Applications of noble metal nanoparticles in fluorescence sensing. <b>2012</b> , 82-95	
782	Fluorescence spectral analysis for the discrimination of complex, similar mixtures with the aid of chemometrics. <b>2012</b> , 66, 810-9	6
781	Nondestructive evaluation of tissue engineered articular cartilage using time-resolved fluorescence spectroscopy and ultrasound backscatter microscopy. <b>2012</b> , 18, 215-26	25
780	Two-photon excited fluorescence enhancement with broadband versus tunable femtosecond laser pulse excitation. <b>2012</b> , 17, 025003	7
779	Nucleic acid fluorescent probes for biological sensing. <b>2012</b> , 66, 1249-62	57
778	Characterization of the interaction between 4-(tetrahydro-2-furanmethoxy)-N-octadecyl-1,8-naphthalimide and human serum albumin by molecular spectroscopy and its analytical application. <b>2012</b> , 66, 464-9	8
777	Lead complexation behaviour of root exudates of salt marsh plant <i>Salicornia europaea</i> L. <b>2012</b> , 24, 60-63	12
776	Potential for Measurement of Corrosion-Inhibitor-Micelle Presence as an Indicator of Optimum Dose. <b>2012</b> , 17, 393-401	1
775	Role of Water in Actin-Myosin Binding and Actin Polymerization: Rotational and Translational Mobility of Water Molecules. <b>2012</b> , 81, SA003	3
774	High hydrostatic pressure effect on proteins: Fluorescence studies. <b>2012</b> ,	1
773	Interaction of (E)-Epigallocatechin Gallate and Silver Colloid with Bovine Serum Albumin. <b>2012</b> , 66, 75-81	2
772	Partial acceptor photobleaching-based quantitative FRET method completely overcoming emission spectral crosstalks. <b>2012</b> , 18, 1021-9	9
771	Capture of Fluorescence Decay Times by Flow Cytometry. <b>2012</b> , 59, 1.25.1-1.25.21	12
770	Charge-transfer interactions in a multichromophoric hexaarylbenzene containing pyrene and triarylamines. <b>2012</b> , 77, 6147-54	33
769	Efficient fluorescence energy transfer system between CdTe-doped silica nanoparticles and gold nanoparticles for turn-on fluorescence detection of melamine. <b>2012</b> , 60, 4550-8	82
768	Insights into the Mechanism of Quantum Dot-Sensitized Singlet Oxygen Production for Photodynamic Therapy. <b>2012</b> , 116, 9334-9342	55
767	Photoinduced charge generation in a molecular bulk heterojunction material. <b>2012</b> , 134, 19828-38	131

766	Synthesis and properties of a dendritic FRET donor-acceptor system with cationic iridium(III) complex core and carbazolyl periphery. <b>2012</b> , 41, 2582-91	26
765	Study of surface and bulk electronic structure of II-VI semiconductor nanocrystals using Cu as a nanosensor. <b>2012</b> , 6, 9751-63	79
764	A 65 nm CMOS Digital Phase Imager for Time-Resolved Fluorescence Imaging. <b>2012</b> , 47, 1731-1742	17
763	Fluorescence Lifetime Spectroscopy and Imaging in Neurosurgery. <b>2012</b> , 18, 1465-1477	16
762	Single point mutation in <i>Vibrio cholerae</i> cytolysin compromises the membrane pore-formation mechanism of the toxin. <b>2012</b> , 279, 4039-51	25
761	Oxidation processes in Sicilian olive oils investigated by a combination of optical and EPR spectroscopy. <b>2012</b> , 77, C1084-9	13
760	Sugar-functionalized water-soluble cyclotrimeratrylene derivatives: preparation and interaction with fullerene. <b>2012</b> , 77, 971-6	25
759	A toolkit and benchmark study for FRET-restrained high-precision structural modeling. <b>2012</b> , 9, 1218-25	296
758	Interaction of celecoxib with membranes: the role of membrane biophysics on its therapeutic and toxic effects. <b>2012</b> , 116, 13608-17	31
757	Two-color fluorescent l-amino acid mimic of tryptophan for probing peptide-nucleic acid complexes. <b>2012</b> , 23, 2434-43	30
756	Nanophotonic control of the Förster resonance energy transfer efficiency. <b>2012</b> , 109, 203601	109
755	Push-pull macrocycles: donor-acceptor compounds with paired linearly conjugated or cross-conjugated pathways. <b>2012</b> , 77, 2285-98	34
754	Red-shifted fluorescent proteins monitor enzymatic activity in live HT-1080 cells with fluorescence lifetime imaging microscopy (FLIM). <b>2012</b> , 248, 77-89	6
753	An Introduction to Organometallic Complexes in Fluorescence Cell Imaging: Current Applications and Future Prospects. <b>2012</b> , 31, 5686-5692	68
752	Organometallic Palladium Complexes with a Water-Soluble Iminophosphorane Ligand as Potential Anticancer Agents. <b>2012</b> , 31, 5772-5781	62
751	Quantum dot-fluorescent protein FRET probes for sensing intracellular pH. <b>2012</b> , 6, 2917-24	277
750	Fluorescence probing of the temperature-induced phase transition in a glycolipid self-assembly: hexagonal $\alpha$ -micellar and cubic $\alpha$ -lamellar. <b>2012</b> , 28, 4989-95	23
749	Proton transfer assisted charge transfer phenomena in photochromic Schiff bases and effect of -NEt <sub>2</sub> groups to the anil Schiff bases. <b>2012</b> , 116, 10948-58	59

748	Two-photon fluorescence microscopy imaging of cellular oxidative stress using profluorescent nitroxides. <b>2012</b> , 134, 4721-30	114
747	Lanthanides: Luminescence. <b>2012</b> ,	
746	Fluorescence Intensity and Lifetime Cell Imaging with Luminescent Gold Nanoclusters. <b>2012</b> , 116,	44
745	Nonfluorescent quenchers to correlate single-molecule conformational and compositional dynamics. <b>2012</b> , 134, 5734-7	32
744	Surface charge of zwitterionic sulfobetaine micelles with 2-naphthol as a fluorescent probe. <b>2012</b> , 28, 17623-31	11
743	Tunable size and spectral properties of fluorescent nanoGUMBOS in modified sodium deoxycholate hydrogels. <b>2012</b> , 28, 757-65	20
742	Exploiting the light-metal interaction for biomolecular sensing and imaging. <b>2012</b> , 45, 209-55	57
741	Delving into Membrane Heterogeneity Utilizing Fluorescence Lifetime Distribution Analysis.. <b>2022</b> ,	0
740	Comparison of Quenching Efficiencies in Long Triple-Labeled and Double-Labeled TaqMan Oligodeoxynucleotide Probes.. <b>2022</b> ,	1
739	Comparison of wearable and bedside laser Doppler flowmetry and fluorescence spectroscopy monitors. <b>2022</b> ,	
738	Effect of a polyphenol molecular size on the gluten proteins $\beta$ -polyphenols interactions studied with FT-Raman spectroscopy. 1	1
737	Facile Differentiation of Four Sources of Water-Soluble Organic Carbon in Atmospheric Particulates Using Multiple Fluorescence Spectral Fingerprints. <b>2022</b> , 9, 359-365	0
736	Photophysical Properties of Fluorescent Labels: Meta-Analysis to Guide Probe Selection Amidst Challenges with Available Data.	1
735	Interaction of human CRX and NRL in live HEK293T cells measured using fluorescence resonance energy transfer (FRET).. <b>2022</b> , 12, 6937	0
734	Double-Edged Nanobiotic Platform with Protean Functionality: Leveraging the Synergistic Antibacterial Activity of a Food-Grade Peptide to Mitigate Multidrug-Resistant Bacterial Pathogens.. <b>2022</b> ,	2
733	R & D of wavelength-shifting reflectors and characterization of the quantum efficiency of tetraphenyl butadiene and polyethylene naphthalate in liquid argon. <b>2022</b> , 82, 1	1
732	In vitro Evaluation of Isoniazid Derivatives as Potential Agents Against Drug-Resistant Tuberculosis. <b>2022</b> , 13,	
731	C-Terminal Basic Region of Troponin T Alters the Ca-Dependent Changes in Troponin I Interactions.. <b>2022</b> ,	0

- 730 Characterizing Molecular Weight Distribution and Optical Properties of Dissolved Organic Matter and Unraveling the Origins of Anthropogenic Fluorophores in Yangtze River and Its Tributaries. 0
- 729 Fluorescence signal of proteins in birch pollen distorted within its native matrix: Identification of the fluorescence suppressor quercetin-3-O-sophoroside.. **2022**, 1
- 728 Rh(III)-catalyzed one-step synthesis of ortho-alkynylated perylene imide dyes: Optical and electrochemical properties of new derivatives.. **2022**, 0
- 727 Spectroscopic features of Pheophorbide-a binding to poly-L-lysine. 1-14
- 726 Vanadium metal complexes' inhibition studies on enzyme PTP-1B and antidiabetic activity studies on Wistar rats. 0
- 725 Spectroscopic analysis of 2-(5-mercapto-1,3,4-oxadiazol-2-yl)-6-methylquinolin-4-ol binding to blood plasma albumin.. **2022**, 1-9 1
- 724 Binding parameters and conjugation mechanisms in the solutions of BSA with antioxidant CeO<sub>2</sub> nanoparticles. 1-11
- 723 A Fluorescent Cage for Supramolecular Sensing of 3-Nitrotyrosine in Human Blood Serum.. **2022**, 1
- 722 A Fluorescent Cage for Supramolecular Sensing of 3-Nitrotyrosine in Human Blood Serum.
- 721 Conjugated Boron Porous Polymers Having Strong pπ Conjugation for Amine Sensing and Absorption. 2
- 720 Green Switching and Light-Harvesting Abilities of Red-Emissive Carbon Nanodot. 0
- 719 DNA-Binding Properties of Bis-N-substituted Tetrandrine Derivatives. 1
- 718 Interactions of Environmental Pollutant Aromatic Amines With Photo Excited States of Thiophene Substituted 1,3,4-Oxadiazole Derivative: Fluorescence Quenching Studies.. **2022**, 1
- 717 Hydrolytically Stable Zr-Based Metal-Organic Framework as a Highly Sensitive and Selective Luminescent Sensor of Radionuclides.. **2022**, 3
- 716 Investigation of FRET from organic dyes to silver nanoparticles and structural properties using the DFT/TD-DFT approach. **2022**, 4, 100075 0
- 715 Visible-light-triggered fluorescence Turn-on Diarylethenes: Computational molecular design and photophysical studies. **2022**, 248, 118973 0
- 714 Green tea polyphenols bind to soy proteins and decrease the activity of soybean trypsin inhibitors (STIs) in heated soymilk.
- 713 Strongly Improving the Sensitivity of Phosphorescence -Based Optical Oxygen Sensors by Exploiting Nano-Porous Substrates.

- 7<sup>12</sup> Transition metal complexes of the PPO/POP ligand: variable coordination chemistry and photo-luminescence properties.. **2022**,
- 7<sup>11</sup> Multispectroscopic studies on the molecular interactions between bovine gamma-globulin and borohydride-capped silver nanoparticles.. **2022**,
- 7<sup>10</sup> Four strategies towards customized rainbow/white light emission from a series of organic charge-transfer cocrystals and their heterostructures.
- 7<sup>09</sup> Integration and Encapsulation of Light-Emitting Diode and CMOS-MEMS Chips for Fluorescence Quenching Gas Sensor. **2022**, 8,
- 7<sup>08</sup> Embedded Nano Relay for Intra-Body Network-Based Molecular Communications.
- 7<sup>07</sup> Effect of Local Anesthetics on Dipole Potential of Different Phase Membranes: A Fluorescence Study.. **2022**, 0
- 7<sup>06</sup> A Modified Oxazolone Dye Dedicated to Spectroscopy and Optoelectronics.. **2022**, 1
- 7<sup>05</sup> Förster Resonance Energy Transfer between Fluorescent Organic Semiconductors: Poly(9,9-dioctylfluorene--benzothiadiazole) and 6,13-Bis(triisopropylsilylethynyl)pentacene.. **2022**, 0
- 7<sup>04</sup> Surface-Enhanced Luminescence of Cr<sup>3+</sup>-doped ZnAl<sub>2</sub>O<sub>4</sub> and MgAl<sub>2</sub>O<sub>4</sub> using Ag@SiO<sub>2</sub> and Au@SiO<sub>2</sub> core-shell nanoparticles.
- 7<sup>03</sup> Macromolecular Crowding Effect on the Structure, Function, Conformational Dynamics and Relative Domain Movement of a Multi-Domain Protein as a function of Crowder Shape and Interaction. 1
- 7<sup>02</sup> Benchmarking the dynamic luminescent properties and UV stability of B18H22-based materials. 2
- 7<sup>01</sup> Luminescent Properties of Colloidal Ag<sub>2</sub>S Quantum Dots for Photocatalytic Applications.
- 7<sup>00</sup> Zinc oxide nanostructures for fluorescence and Raman signal enhancement: a review. 13, 472-490 2
- 6<sup>99</sup> Self-Assembled Liposomes Enhance Electron Transfer for Efficient Photocatalytic CO<sub>2</sub> Reduction. 0
- 6<sup>98</sup> Fluorescence scattering in between Excitation and Emission as a Depolarizing Process: A Mueller matrix Viewpoint.
- 6<sup>97</sup> Interaction of fungal lipase with potential phytotherapeutics. **2022**, 17, e0264460
- 6<sup>96</sup> Orthopalladated N,N-Dimethyl-1-Phenethylamine Compounds Containing 2,6-Lutidine: Synthesis, DNA Binding Studies and Cytotoxicity Evaluation.
- 6<sup>95</sup> Manganese(II) Complexes with 5-Nitro-2-Hydroxybenzaldehyde or Substituted 2-Hydroxyphenones: Structure and Interaction with Bovine Serum Albumin and Calcein DNA.

- 694 Unravelling the highly efficient synthesis of individual carbon nanodots from casein micelles and the origin of their competitive constant-blue-red wavelength shift luminescence mechanism for versatile applications. **2022**, 12, 16277-16290 0
- 693 Silver(I) complexes bearing heterocyclic thioamide ligands with NH<sub>2</sub> and CF<sub>3</sub> substituents: effect of ligand group substitution on antibacterial and anticancer properties. 0
- 692 Microwave-assisted surface attachment of aluminium ions on in situ diluted titanium-doped hematite photoanodes for efficient photoelectrochemical water-splitting. 1
- 691 Photonic-based Time-resolved Multipulse Oxygen Sensor. **2022**, 1-1 0
- 690 Understanding the Interaction between Inorganic and Organic Excitonic Components of an Inorganic-Organic Nanohybrid Associate. 0
- 689 Macrocyclic Cavitand  $\beta$ -Cyclodextrin Inhibits the Alcohol-induced Trypsin Aggregation. 0
- 688 Fluorescence Sensing Technologies for Ophthalmic Diagnosis. 3
- 687 Activation of G $\beta$  sequesters specific transcripts into Ago2 particles. **2022**, 12, 1-1 1
- 686 Distinctive mechanisms of epilepsy-causing mutants discovered by measuring S4 movement in KCNQ2 channels. 11, 1
- 685 Multiple-Route Exciton Recombination Dynamics and Improved Stability of Perovskite Quantum Dots by Plasmonic Photonic Crystal. 5040-5048 0
- 684 Floresans Enerji Transferi Üzerine Grafen Oksitin Kuantum Noktasının Etkisinin İncelenmesi. 870-881 0
- 683 Glycation of  $\beta$ -synuclein hampers its binding to synaptic-like vesicles and its driving effect on their fusion. **2022**, 79, 1-1 0
- 682 Tools to measure membrane potential of neurons. **2022**, 1-1 1
- 681 Binding and Stability Properties of PEG2000 to Globular Proteins: the Case of Lysozyme. **2022**, 119514 0
- 680 RPG acts as a central determinant for infectosome formation and cellular polarization during intracellular rhizobial infections. 0
- 679 Binding of bioactive esculin and esculetin with hen egg white lysozyme: Spectroscopic and computational methods to comprehensively elucidate the binding affinities, interacting forces, and conformational alterations at molecular level. **2022**, 360, 119423 0
- 678 Light-controlled shape-changing azomacrocycles exhibiting reversible modulation of pyrene fluorescence emission. 0
- 677 Biological applications of ternary quantum dots: A review. **2022**, 11, 2304-2319 0



- 676 Evaluating the mechanism of milk protein as an efficient lignin blocker for boosting the enzymatic hydrolysis of lignocellulosic substrates. 0
- 675 Fundamentals of Photochemistry: Excited State Formation/Deactivation and Energy Transfer Processes. **2022**, 27-48
- 674 Combined Effects of Emitter-Emitter and Emitter-Plasmonic Surface Separations Dictate Photoluminescence Enhancement in Plasmonic Field. 0
- 673 An Introduction to Steady-State and Time-Resolved Photoluminescence. **2022**, 131-144
- 672 Deep sea osmolytes in action: their effect on protein-ligand binding under high pressure stress. 2
- 671 Functionalization of insulin nanofibrils with fluorophores involved in cascade Förster resonance energy transfer.
- 670 Historical Development of Inorganic Photochemistry. **2022**, 3-25
- 669 Balancing fluorescence and singlet oxygen formation in push-pull type near-infrared BODIPY photosensitizers. **2022**, 10, 9344-9355 1
- 668 Synthesis, spectral analysis, and theoretical investigations of diphenyl fumarate. **2022**, 46, 174751982210855
- 667 Increase of Fluorescence of Humic-Like Substances in Interaction with Cd(II): a Photoinduced Charge Transfer Approach.
- 666 Bristled Acid-Functionalized Ionic Co(II) Framework: A Tailored Vessel for Electrocatalytic Oxygen Evolution and Size-Exclusive Optical Speciation of Biothiols. 1
- 665 Spectroscopic Determination of Mebendazole Using a 1,10 Phenanthroline-Iron Complex.
- 664 Electromechanical Photophysics of GFP Packed Inside Viral Protein Cages Probed by Force-Fluorescence Hybrid Single-Molecule Microscopy. 2200059 0
- 663 Live-cell microscopy of fluorescence anisotropy with budded baculoviruses—Which way to go with measuring ligand binding to M4 muscarinic receptors?. **2022**, 12, 1
- 662 Effects of the Chalcogenide Identity in N-Aryl Phenochalcogenazine Photoredox Catalysts. 1
- 661 Generation of Free Carriers in MoSe<sub>2</sub> Monolayers Via Energy Transfer from CsPbBr<sub>3</sub> Nanocrystals. 2200638 1
- 660 Possibilities of Real Time Monitoring of Micropollutants in Wastewater using Laser-Induced Raman & Fluorescence Spectroscopy (LIRFS) and Artificial Intelligence (AI). **2022**, 22, 4668
- 659 Engineering Metal-Organic Framework Hybrid AIEgens with Tumor-Activated Accumulation and Emission for the Image-Guided GSH Depletion ROS Therapy. 0

- 658 Incorporation of N and O into the Shell of Silicon Nanoparticles Offers Tunable Photoluminescence for Imaging Uses. **2022**, 5, 8105-8119 ○
- 657 Probing Prolamin-Anthocyanin Interactions for the Rational Design of Plant-Based Encapsulation Systems. 2,
- 656 Red-Fluorescent BODIPY Molecular Rotor for High Microviscosity Environments.
- 655 Surface Engineered Dendrimers: A Potential Nanocarrier for the Effective Management of Glioblastoma Multiforme. **2022**, 23, 2 ○
- 654 Aggregation Behavior and Catalytic Action of Carbamate-Bearing Surfactants in Aqueous Solutions. **2022**, 63, 261-269 ○
- 653 Ultra-bright green carbon dots with excitation-independent fluorescence for bioimaging. 2
- 652 Porphyrin/carbon nanodot supramolecular complexes and their optical properties. **2022**, 648, 129436 ○
- 651 Dihydroquinazolinone based nanosensor for fluorimetric detection of Hg<sup>2+</sup> ions: Application to environmental analysis. **2022**, 18, 100717
- 650 A fused polycyclic compound containing phenothiazine and diazapyrene skeletons with weak D $\pi$ A interactions.
- 649 Synthesis of multicolor-emitting nitrogenSulfur co-doped carbon dots and their photochemical studies for sensing applications. **2022**, 12, 20054-20061 ○
- 648 Electron transfer between carbon dots and tetranuclear Dawson-derived sandwich polyanions.
- 647 Single-Cell NanoBRET Imaging with Green-Range HaloTag Acceptor. **2022**, 207-218
- 646 Measuring FRET efficiency with phase lifetime. **2022**,
- 645 Spectroscopic Studies of Interactions of Iron Oxide Nanoparticles with Ovalbumin Molecules. ○
- 644 Transformation of Trap States during the Formation of Luminescent Core/Shell Nanostructures Based on Ag<sub>2</sub>S Quantum Dots. **2022**, 86, 687-691
- 643 Handle Matrix Rank Deficiency, Noise, and Interferences in 3D EmissionExcitation Matrices: Effective Truncated Singular-Value Decomposition in Chemometrics Applied to the Analysis of Polycyclic Aromatic Compounds. **2022**, 7, 23653-23661 ○
- 642 Small Molecule Sorting: A Fluorescence Study of Microemulsions. **2022**, 126, 4990-4998
- 641 Synthesis, HSA-Binding and Anticancer Properties of [Cu<sub>2</sub>( $\mu$ -dppm)<sub>2</sub>(N<sup>-</sup>)<sub>2</sub>]<sup>2+</sup>.

- 640 Response of Ancillary Azide Ligand in Designing a 1D Copper(II) Polymeric Complex along with the Introduction of High DNA- and HAS-Binding Efficacy, Leading to Impressive Anticancer Activity: A Compact Experimental and Theoretical Approach. **2022**, 7, 23276-23288 0
- 639 Fñster Resonance Energy Transfer in Luminescent Solar Concentrators. 2201160 1
- 638 Synthesis, Physicochemical Characterization, and Antibacterial Performance of SilverLactoferrin Complexes. **2022**, 23, 7112 2
- 637 Anionic polymerization of nonaromatic maleimide to achieve full-color nonconventional luminescence. **2022**, 13, 1 1
- 636 Excimer formation in non-van der Waals 2D semiconductor Bi<sub>2</sub>O<sub>2</sub>Se. 2204227 0
- 635 The Journey of 1-Keto-1,2,3,4-Tetrahydrocarbazole Based Fluorophores: From Inception to Implementation. 0
- 634 Fluoroquinolone Metalloantibiotics: Fighting Staphylococcus aureus Biofilms. **2022**, 2, 410-425
- 633 Nanocarriers for  $\beta$ -Carotene Based on Milk Protein.
- 632 ZnAl<sub>2</sub>O<sub>4</sub> Nanomaterial as a Naked-Eye Arsenate Sensor: A Combined Experimental and Computational Mechanistic Approach.
- 631 Intercalation of diafenthuron insecticide with calf thymus DNA: spectroscopic and molecular dynamics analysis. 1-9
- 630 The Na<sup>+</sup>/K<sup>+</sup> pump dominates control of glycolysis in hippocampal dentate granule cells.
- 629 A novel method for determining murine skeletal muscle fiber type using autofluorescence lifetimes. **2022**, 154,
- 628 Luminescence-Sensitive Surfaces Bearing Ratiometric Nanoparticles for Bacteria Growth Detection.
- 627 Heralded single-photon source based on ensemble of Raman-active molecules.
- 626 A europium metalorganic framework for dual Fe<sup>3+</sup> ion and pH sensing. **2022**, 12, 1 1
- 625 Property evaluation of two anticancer candidate platinum complexes with N-isobutyl glycine ligand against human colon cancer. 1 1
- 624 Rational control on the morphology of WS<sub>2</sub> nanomaterials by altering hydrothermal reaction conditions. **2022**, 34, 100401
- 623 Large-scale capture of hidden fluorescent labels for training generalizable markerless motion capture models.

- 622 A Spectroscopic Approach to Unravel the Local Conformations of G-quadruplex Using CD-active Fluorescent Base Analogues.
- 621 Surfactant mediated suppression of aggregation and excited state ring puckering process in Pyrromethene 597-Application in water based dye laser. **2022**, 121642
- 620 Highly Invasive Fluorescent/Bioluminescent Patient-Derived Orthotopic Model of Glioblastoma in Mice. 12,
- 619 The Impact of Hidden Structure on Aggregate Disassembly by Molecular Chaperones. 9,
- 618 Tunable Emissive Ir(III) Benzimidazole-quinoline Hybrids as Promising Theranostic Lead Compounds. 0
- 617 Deciphering the conformations and dynamics of FG-nucleoporins in situ. 0
- 616 Fluoride-selective chemosensor based on an anion imprinted fluorescent polymer. **2022**, 225, 116033
- 615 Formation mechanism of binary complex based on  $\alpha$ -lactoglobulin and propylene glycol alginate with different molecular weights: Structural characterization and delivery of curcumin. 9, 0
- 614 Singlet Oxygen Generation and Spectroscopic Properties of Supramolecular Zinc Meso-tetra(4-pyridyl) Porphyrin Bearing Outlying Ruthenium Groups. **2022**, 52,
- 613 Multi-emissive silicon quantum dots: synthesis, characteristics and their biological and analytical relevance. **2022**, 45,
- 612 Ultrabright Förster Resonance Energy Transfer Nanovesicles: The Role of Dye Diffusion. 1
- 611 Contrasting Effect of Salts on the Binding of Antimalarial Drug Hydroxychloroquine with Different Sequences of Duplex DNA. 1
- 610 Triphenylphosphine gold(I) derivatives promote antiviral effects against the Chikungunya virus. 0
- 609 A Perspective on the Use of Fluorescent Imaging to Reveal Mechanisms of Breakup. 1-7
- 608 Living Fluorophores: Thermo-driven reversible ACQ-AIE transformation and ultra-sensitive in-situ monitor for dynamic Diels-Alder reactions. 0
- 607 Quantifying Antibody Binding Kinetics on Fixed Cells and Tissues via Fluorescence Lifetime Imaging. 0
- 606 Photoinduced Charge Transfer from Quantum Dots Measured by Cyclic Voltammetry. 3
- 605 Polymer Dots as Photoactive Membrane Vesicles for [FeFe]-Hydrogenase Self-Assembly and Solar-Driven Hydrogen Evolution. 2

- 604 Ultrafast Dynamics of Photoinduced Electron Transfer in Bay-Aryl-Substituted Perylene Diimide Derivatives.
- 603 Energy Versus Electron Transfer: Managing Excited-State Interactions in Perovskite Nanocrystal/Molecular Hybrids. 10
- 602 Fluorescent behavior of melatonin and related indoleamines in natural deep eutectic solvents. **2022**, 363, 119902 0
- 601 Amino-coumarin-based colorimetric and fluorescent chemosensors capable of discriminating Co<sup>2+</sup>, Ni<sup>2+</sup>, and Cu<sup>2+</sup> ions in solution and potential utilization as a paper-based device. **2022**, 282, 121662 2
- 600 Photo- and Radio-luminescence of Porphyrin Functionalized ZnO/SiO<sub>2</sub> Nanoparticles.
- 599 Photoluminescence in Halogeno Copper(I) Methyl Thiolate Polymers Via in Situ DmsO Decomposition Reaction.
- 598 Polymorphism from a 1:1 Ln (iii):Btb Reaction Pot: Solvothermal Versus Sonochemical Synthesis of Ln-Mofs.
- 597 Transient State (TRAST) Spectroscopy and Imaging: Exploiting the Rich Information Source of Fluorophore Dark State Transitions in Biomolecular and Cellular Studies. **2022**,
- 596 Probing twisted intramolecular charge transfer of pyrene derivatives as organic emitters in OLEDs. 1
- 595 Stern-Volmer Analysis of Photocatalyst Fluorescence Quenching within Hollow-Core Photonic Crystal Fibre Microreactors. 0
- 594 Portable Multi-Wavelength Fluorescence Measurement Device. **2022**,
- 593 Intrinsically Fluorescent Anti-Cancer Drugs. **2022**, 11, 1135 1
- 592 Structural and optical properties of cubic GaN on U-grooved Si (100). **2022**, 121, 032101 1
- 591 Persistent homology analysis distinguishes pathological bone microstructure in non-linear microscopy images.
- 590 Probing the Photophysics of Covalently and Non-covalently Bonded Graphene Quantum Dots-Tetraaminophenylporphyrin Nanohybrids. **2022**, 7,
- 589 High-speed and high-contrast two-channel all-optical modulator based on solution-processed CdSe/ZnS quantum dots. **2022**, 12, 1
- 588 Luminescent Metal Complexes as Emerging Tools for Lipid Imaging. **2022**, 380, 2
- 587 A disaggregation-induced emission strategy to obtain dual-emission fluorescence-enhanced probe for visualization of SO<sub>2</sub> fluctuation in living cells, tumor tissue and zebrafish. **2022**, 132542 0

- 586 Is it photodegradation or other electronic mechanisms responsible for photoluminescence quenching under nonenvironmental conditions in poly(3-octylthiophene) electrochemically synthesised?. **2022**, 02,
- 585 Ligand Substituent Effects on the Light-driven Hydrogen Evolution by Cobalt(II) Tripodal Iminopyridine Catalysts under Precious-metal Free Conditions.
- 584 Fluorescence-based measurement of the Lewis acidities of lanthanide triflates in solution. 2
- 583 Surface-Functionalized Gold Nanoparticles for Environmental Remediation. **2022**, 163-182
- 582 Addressing the Superior Drug Delivery Performance of Bilosomes-A Microscopy and Fluorescence Study. **2022**, 5, 3896-3911
- 581 Coupling between Plasmonic and Molecular Excitations: TDDFT Investigation of an Ag-Nanorod/BODIPY Dye Interaction.
- 580 Plasmonics for advance single-molecule fluorescence spectroscopy and imaging in biology. 3, 1
- 579 Structural Exploration and Protein Binding Efficiencies of Binuclear Dioxidomolybdenum(VI) Complexes Constructed from ONO Chelator and Linear N<sub>2</sub> Ditopic Spacer. **2022**, 7,
- 578 The Interaction Between Two Metabolites of Polygala Tenuifolia and Cholinesterases. **2022**, 29,
- 577 Imaging and detection of long-lived fluorescence probes in presence of highly emissive and scattering background. 153537022211121
- 576 Liprobe, a vital dye for lipid aggregates detection in imaging and high-content screens. 3, 0
- 575 Fabrication of zein/Persian gum particles under the effect of pH and mixing ratio and investigating their physico-chemical properties.
- 574 A Novel Fluorescent Probe for the Detection of Cyanide Ions in Solutions and Studies on Its Biophysical Interactions with ctDNA and Proteases.
- 573 Using Human Serum Albumin Binding Affinities as a Proactive Strategy to Affect the Pharmacodynamics and Pharmacokinetics of Preclinical Drug Candidates. 0
- 572 Carbon Nanodots from an In Silico Perspective. **2022**, 122, 13709-13799 2
- 571 Energy Transfer in Stability-Optimized Perovskite Nanocrystals. **2022**, 22, 6709-6715 1
- 570 Exciton Diffusion and Annihilation in an sp<sup>2</sup> Carbon-Conjugated Covalent Organic Framework. 2
- 569 Interference between Franck-Condon and Herzberg-Teller Terms in the Condensed-Phase Molecular Spectra of Metal-Based Tetrapyrrole Derivatives. **2022**, 13, 7413-7419 0

- 568 Inner filter effect mediated fluorescence properties as a tool to monitor the quantity of grape-must caramel in balsamic vinegar.
- 567 Binding and mechanistic studies of 5-HT7 specific benzothiazolone derivatives with Bovine Serum Albumin: Spectroscopic and In silico studies. **2022**, 120143 1
- 566 Experimental evaluation of the role of inorganic phosphorus for terrestrial carbon degradation in stream hyporheic zones.
- 565 Fluorescent indolo[2,3-b]quinoxalin-2-yl(phenyl)methanone dyes: photophysical, AIE activity, electrochemical, and theoretical studies.
- 564 Resolving Ultrafast Photoinitiated Dynamics of the Hachimoji 5-aza-7-deazaguanine Nucleobase: Impact of Synthetically Expanding the Genetic Alphabet 1.
- 563 A single-molecule method for measuring fluorophore labeling yields for the study of membrane protein oligomerization in membranes. 0
- 562 Adrenal Near-Infrared Autofluorescence.
- 561 Alkaline N-GQDs fluorescent probe for the ultrasensitive detection of creatinine. **2022**, 10, 045002
- 560 Chiroptical Properties of Helicenes. **2022**, 373-394 0
- 559 Synthesis of Cesium Copper Bromide Nanorods with Strong Linearly Polarized Emission. 2201031
- 558 Measuring the pH of Acidic Vesicles in Live Cells with an Optimized Fluorescence Lifetime Imaging Probe. **2022**, 94, 11264-11271 2
- 557 Revealing heterogeneity in correlation times of EGFP encapsulated in complex coacervate core micelles by analysis of fluorescence anisotropies. **2022**, 10, 045006
- 556 Synthesis and characterization of a fluorescent steroid dimer linked through C-19 by a 1,4-Bis(phenylethynyl)phenylene fragment. **2022**, 187, 109098
- 555 Spectrofluorometric and computational approaches for the interaction studies of aconitine and bifenox with human serum albumin. **2023**, 284, 121772 0
- 554 Scrutinizing the interaction between metribuzin with glutathione reductase 2 from Arabidopsis thaliana: insight into the molecular toxicity in agriculture. 0
- 553 Development of antifungal films from nanocomplexes based on egg white protein nanogels and phenolic compounds. 0
- 552 Near-Infrared squaraine dyes as bright fluorescent probes: a structure-activity photo physical investigation in liposomes. 1
- 551 Detailed investigation on new chemical-free methods for silk sericin extraction. **2022**, 33, 104491 0

- 550 Ultra-small carbon dots for sensing and imaging of chemical species. **2023**, 255-270 ○
- 549 Intrinsic Fluorescence Imaging of Gel Electrophoresis Chip for Portable Protein Detectoin Using Quadruple Deep-Uv Led Array. ○
- 548 A green fluorescence turn-off system for meclofenoxate determination by Cilefa Pink B dye. **2022**, 12, 26566-26574 1
- 547 Luminescence color change of [3,4-difluoro-2,6-bis(5-methyl-2-pyridyl)phenyl-βN,C1,N?]cyanidoplatinum(ii) by aggregation. ○
- 546 A disulphide bond-mediated hetero-dimer of a hemoprotein and a fluorescent protein exhibiting efficient energy transfer. **2022**, 12, 28519-28524 ○
- 545 Mechanistic insight into functionally different human islet polypeptide (hIAPP) amyloid: the intrinsic role of the C-terminal structural motifs. **2022**, 24, 22250-22262 ○
- 544 meta-Terphenyls as versatile fluorescent molecular sensors for monitoring the progress of hybrid polymerization processes. **2022**, 13, 4650-4665 ○
- 543 Stimuli-responsive spin crossover nanoparticles for drug delivery and DNA-binding studies. **2022**, 51, 12427-12431 1
- 542 Spectroscopic Methodologies. **2022**, 293-329 ○
- 541 Fluorescence for the Analysis of Paintings. **2022**, 221-245 ○
- 540 Multiple molecular logic gate arrays in one system of (2-(2?-pyridyl)imidazole)Ru(ii) complexes and trimeric cyclophanes in water. **2022**, 13, 10856-10867 1
- 539 Switching from ultrafast electron transfer to proton transfer in excited drugβprotein complexes upon biotransformation. **2022**, 13, 9644-9654 ○
- 538 Copper(i) complexes with quinolone appended 1,8-naphthalimide conjugates: structural characterization, DNA and protein binding and cytotoxicity studies. **2022**, 46, 16801-16812 ○
- 537 A metal complex based fluorescent chemodosimeter for selective detection of 2,4-dinitrophenol and picric acid in aqueous media. **2022**, 51, 14700-14711 ○
- 536 Investigation of the Impact of CaCO3 Concentrations on the Fluorescence Lifetime of Polypropylene. **2022**, ○
- 535 Experimental Techniques. **2022**, 33-71 ○
- 534 Fluorogenic sensor for in-situ tracking of viscosity of cellular inflammatory stress. ○
- 533 2,1,3-Benzothiadiazole-Based Bis-Silylated Compounds: Synthesis and Use in Preparation of Highly Fluorescent Low-Contend Organic-Inorganic Hybrid Materials. ○



532	Light-Tissue Interactions. <b>2022</b> , 169-221	0
531	Ph Assisted Modulation in the Binding Affinity for Bodipy-Benzimidazole Conjugate with Anionic Cyclodextrin.	0
530	N-Doped graphene quantum dots (N-GQDs) as fluorescent probes for detection of UV induced DNA damage. <b>2022</b> , 12, 22458-22464	1
529	Benzimidazole-acid hydrazide SchiffMannich combo ligands enable the nano-molar detection of Zn <sup>2+</sup> in semi-aqueous media, HuH-7 cells, and plants via a fluorescence turn-on mode. <b>2022</b> , 46, 16161-16171	0
528	Metallacrowns as DNA Binders. <b>2022</b> , 117-155	0
527	Large Stokes shift benzothiazolium cyanine dyes with improved intramolecular charge transfer (ICT) for cell imaging applications. <b>2022</b> , 58, 9855-9869	5
526	Fluorescence Study of the Interactions Between Insulin Amyloid Fibrils and Proteins. <b>2022</b> , 96-104	1
525	Smart Wide-field Fluorescence Lifetime Imaging System with CMOS Single-photon Avalanche Diode Arrays. <b>2022</b> ,	0
524	Intrinsic fluorescence of single-tryptophan form of tyrosyl-tRNA synthetase catalytic module with the replacements of Trp 87 and Trp 283 by alanine. <b>2022</b> , 38, 9-16	0
523	Super-resolution vibrational imaging based on photoswitchable Raman probe.	0
522	Penetration Depth of Propylene Glycol, Sodium Fluorescein and Nile Red into the Skin Using Non-Invasive Two-Photon Excited FLIM. <b>2022</b> , 14, 1790	2
521	Lifetime Determination Algorithms for Time-Domain Fluorescence Lifetime Imaging: A Review.	0
520	Effectiveness of air-purifying devices and measures to reduce the exposure to bioaerosols in school classrooms. <b>2022</b> , 32,	2
519	Development of a neural network to identify plastics using Fluorescence Lifetime Imaging Microscopy. <b>2022</b> ,	0
518	Mitochondrial Targeting and Imaging with Small Organic Conjugated Fluorophores: A Review.	0
517	Cooperative action of SP-A and its trimeric recombinant fragment with polymyxins against Gram-negative respiratory bacteria. 13,	0
516	Optical Oxygen Sensors Show Reversible Cross-Talk and/or Degradation in the Presence of Nitrogen Dioxide.	0
515	Measuring Endocannabinoid System Interaction with Biomembranes. <b>2023</b> , 425-436	0

514	Conformer-selective Photodynamics of TrpH <sup>+</sup> -H <sub>2</sub> O.	0
513	Dynamic Timing Control of Molecular Photoluminescent Systems.	0
512	Doped Carbon Quantum Dots/PVA Nanocomposite as a Platform to Sense Nitrite Ions in Meat. <b>2022</b> , 14, 43597-43611	0
511	Linear and nonlinear absorption properties of hemicyanine dyes containing 5-(4H)-oxazolone as heterocyclic ring. <b>2022</b> , 110772	0
510	Polarised fluorescence in FAD excited at 355 and 450 nm in water/propylene glycol solutions.	1
509	Non-Aromatic Fluorescence in Biological Matter: The Exception or the Rule?. <b>2022</b> , 126, 7203-7211	0
508	Palladium(II) complex bearing benzothiazole based O,N,S donor pincer ligand: Study of in-vitro cytotoxicity, interaction with CT-DNA and BSA protein. <b>2022</b> , 134,	0
507	Features of pseudoisocyanine J-aggregates formation in spin-assisted layer-by-layer assembled films and their interaction with metal nanoparticles. <b>2022</b> , 29,	0
506	Liquid Scintillators Loaded with up to 40 Weight Percent Cesium Lead Bromide Quantum Dots for Gamma Scintillation.	0
505	QuasAr Odyssey: the origin of fluorescence and its voltage sensitivity in microbial rhodopsins. <b>2022</b> , 13,	2
504	Waste Polystyrene-derived Sulfonated Fluorescent Carbon Nanoparticles for Cation Sensing. <b>2022</b> , 7,	0
503	Designing of Interdigitated Coordination Polymer for Fluorogenic Sensing of Pd(II) in Water with Reversible Nonphase Mechanochromism. 2201120	1
502	Disentangling the Orientations of Spectrally Overlapping Transition Dipoles in Dense Dye Layers. <b>2022</b> , 22, 7499-7505	1
501	Spin-Orbit Coupling Calculation Combined with the Reference Interaction Site Model Self-Consistent Field Explicitly Including Constrained Spatial Electron Density Distribution.	0
500	Study on the binding behavior and functional properties of soybean protein isolate and $\beta$ -carotene. 9,	0
499	Transient absorption spectroscopic studies of linear polymeric photocatalysts for solar fuel generation. <b>2022</b> , 3, 031304	0
498	Avoiding One-electron Oxidation of Biomolecules by 3,4-Dihydroxy-L-Phenylalanine (DOPA).	0
497	Stimuli-Responsive Aggregation-Induced Emission (AIE)-Active Polymers for Biomedical Applications.	0

- 496 Thermally activated delayed fluorescence (TADF) emitters: sensing and boosting spin-flipping by aggregation. 18, 1177-1187 1
- 495 Defect-Mediated Charge Carrier Recombination of ZincSilverIndium Sulfide QDs in the Presence of Naphthoquinone Derivatives: An Insight into the Interfacial Surface Dynamics. **2022**, 126, 15838-15848 0
- 494 Homogeneous Resonant Energy Transfer within Clusters of Monodisperse Colloidal Quantum Dots. **2022**, 126, 15309-15318 0
- 493 Self-illuminating NIR-II bioluminescence imaging probe based on silver sulfide quantum dots. 0
- 492 Assembly, Properties, and Application of Ordered Group II $\text{VI}$  and IV $\text{VI}$  Colloidal Semiconductor Nanoparticle Films. **2022**, 9, 2201039 0
- 491 Interactions between hydroxylated polycyclic aromatic hydrocarbons and serum albumins: multispectral and molecular docking analyses. 0
- 490 Rod-shaped cyanoacrylic derivatives with D-EA architecture: synthesis, thermal, photophysical and theoretical studies. 1-11 0
- 489 Alzheimer's disease diagnosis by blood plasma molecular fluorescence spectroscopy (EEM). **2022**, 12, 1 1
- 488 Carboxylato- and squarato-bridged dinuclear/tetranuclear Cu(II) complexes: Synthesis, magnetic property, and protein binding studies. **2022**, 36, 0
- 487 Bioimaging tools move plant physiology studies forward. 13, 0
- 486 End Group Analysis of Polyisobutylene Succinic Anhydride (PIBSA) Carried Out with Pyrene Excimer Fluorescence. 0
- 485 Biological Activity of Two Anticancer Pt Complexes with a Cyclohexylglycine Ligand against a Colon Cancer Cell Line: Theoretical and Experimental Study. 1
- 484 Integrated laser-induced fluorescence spectroscopy of donor-linker-acceptor constructs for bioenvironmental sensing. **2022**, 0
- 483 Monitoring the effect of SDS on the solvation dynamics and structural conformation of  $\beta$ -casein. **2022**, 134, 0
- 482 Hypericin, a potential new BH3 mimetic. 13, 0
- 481 Facile Route to Novel Diazaphosphinine-Based Polycyclic Aromatic Hydrocarbons. 0
- 480 Quantitative fluorescence emission anisotropy microscopy for implementing homo-FRET measurements in living cells. 0
- 479 Modulation of the structural and functional properties of  $\alpha$ -antitrypsin by interaction with flavonoid luteolin. 1-8 0

- 478 Rapid, Selective Fluorescent Determination of Copper (II) in Aqueous Solution and Living Cells Using a Dansyl-Based Click Probe. 1-18 0
- 477 Facile Route to Novel Diazaphosphinine-Based Polycyclic Aromatic Hydrocarbons. 1
- 476 Design concepts for solution and solid-state emitters [a modern viewpoint on classical and non-classical approaches. 1
- 475 Photoacoustic imaging reveals transient decrease of oxygenation in murine blood due to monoclonal IgG4 antibody. 0
- 474 Quasi-Homojunction Organic Nonfullerene Photovoltaics Featuring Fundamentals Distinct from Bulk Heterojunction. 2206717 4
- 473 Synthesis of 2, 2-disubstituted-2 H -1-benzopyrans using tetraphenylethylene-based heterogeneous acidic organocatalyst and the evaluation of their binding interaction with human serum albumin. 0
- 472 Site-specific Heterogeneity of Multi-domain Human Serum Albumin and its Origin: A Red Edge Excitation Shift Study □ 1
- 471 Laser-modified Luminescence for Optical Data Storage. 0
- 470 Comparison of spectral properties of Rohdamin 6G dye. 21-30 0
- 469 Co-doping of tellurium with bismuth enhances stability and photoluminescence quantum yield of Cs<sub>2</sub>AgInCl<sub>6</sub> double perovskite nanocrystals. **2022**, 14, 15691-15700 1
- 468 Transition metal(ii) complexes of halogenated derivatives of (E)-4-(2-(pyridin-2-ylmethylene)hydrazinyl)quinazoline: structure, antioxidant activity, DNA-binding DNA photocleavage, interaction with albumin and in silico studies. 0
- 467 A comparative study on the interaction of gold nanoparticles with trypsin and pepsin: thermodynamic perspectives. 0
- 466 Common Xanthene Fluorescent Dyes Are Visible-light Activatable CO-Releasing Molecules. 0
- 465 Quaternary Ru(II) Complexes of Terpyridines, Saccharin and 1, 2-Azoles: Effect of Substituents on Molecular Structure, Speciation, Photoactivity, and Photocytotoxicity. 0
- 464 High-Pressure Single-Molecule Studies on Non-canonical Nucleic Acids and Their Interactions. **2022**, 1-34 0
- 463 A Nonuniform Sampling Lifetime Estimation Technique for Luminescent Oxygen Measurements. **2022**, 0
- 462 Characterization of the Escherichia coli pyridoxal 5?-phosphate homeostasis protein ( YggS ): Role of lysine residues in PLP binding and protein stability. **2022**, 31, 0
- 461 Novel O-Methylglucoside Derivatives of Flavanone in Interaction with Model Membrane and Transferrin. **2022**, 12, 978 0

- 460 Synthesis and Nonlinear Optical Behavior of Thermally Stable Chromophores Based on 9,9-Dimethyl-9H-fluoren-2-amine: Improving Intrinsic Hyperpolarizability through Modulation of BushBull 2022, 7, 39045-39060 ○
- 459 The Na<sup>+</sup>/K<sup>+</sup> pump dominates control of glycolysis in hippocampal dentate granule cells. 11, ○
- 458 Ultrafast Relaxation Dynamics of Conjugated Polymer Nanoparticles by Tuning Their Interchain Interactions. 2022, 126, 18177-18187 ○
- 457 Formation and fluorescent mechanism of red emissive carbon dots from o-phenylenediamine and catechol system. 2022, 11, 1
- 456 Salt-Induced Dissolution of Protein Aggregates. 2022, 126, 8760-8770 ○
- 455 Crystal structure, growth, spectral, Hirshfeld surface, optical, thermal and third harmonic nonlinear optical studies of 2-amino-6-methyl pyridine-1-ium acetamido acetate monohydrate single crystal. ○
- 454 Stimuli-Responsible SNARF Derivatives as a Latent Ratiometric Fluorescent Probe. 2022, 27, 7181 ○
- 453 Pushing the Emission Envelope for Full-Color Realization of Colloidal Semiconductor Core/Shell Nanoplatelets. 2022, 34, 9190-9199 ○
- 452 On the Molecular Origin of the Red Emission in the Newly Synthesized Carbon-based Quantum Dots.. ○
- 451 Spectral Properties of Supramolecular Complexes of Arabinogalactan and Rhodamine Dyes. 2022, 86, 1174-1178 ○
- 450 Single-Phase White-Light Phosphors Based on a Bicarbazole-Based Metal-Organic Framework with Encapsulated Dyes. 2345-2351 1
- 449 Scanning pH-metry for Observing Reversibility in Protein Folding. 2022, 61, 2377-2389 ○
- 448 A Weighted-LSM Method to Improve Classification and Concentration Evaluation from Laser-Induced Fluorescence Spectra. 2022, 22, 7721 ○
- 447 Stepwise Excited-state Double Proton Transfer and Fluorescence Decay Analysis. ○
- 446 New gold(III) chlorophenyl terpyridine complex: Biomolecular interactions and anticancer activity against human oral squamous cell carcinoma. ○
- 445 Orbital Occupancy and Spin Polarization: From Mechanistic Study to Rational Design of Transition Metal-Based Electrocatalysts toward Energy Applications. 4
- 444 Guest Binding with Sulfated Cyclodextrins: Does the Size of Cavity Matter?. ○
- 443 Photostability of luminophores sensitive to vapors of nitroaromatic compounds in a porous silicon microcavity. 2022, ○

- 442 FRAP and FRET Investigation of Synuclein Fibrillization via Liquid-Liquid Phase Separation In Vitro and in HeLa Cells. **2023**, 395-423 ○
- 441 Biochemical studies highlight determinants for metal selectivity in the Escherichia coli periplasmic solute binding protein NikA. ○
- 440 Fluorescence Lifetime Imaging Microscopy of Biomolecular Condensates. **2023**, 135-148 ○
- 439 Fluorescence Resonance Energy Transfer (FRET) as a Spectroscopic Ruler for the Investigation of Protein Induced Lipid Membrane Curvature: Bacteriorhodopsin and Bacteriorhodopsin Analogs in Model Lipid Membranes. 000370282211356 ○
- 438 A Carbon Nanotube Binding Bis(pyrenylstyryl)BODIPY-C60 Nano Tweezer: Charge Stabilization through Sequential Electron Transfer. ○
- 437 Studying metal-protein interactions using fluorescent protein indicators. ○
- 436 Dry Molten Globule-Like Intermediates in Protein Folding, Function, and Disease. **2022**, 126, 8614-8622 1
- 435 Extending fluorescence anisotropy to large complexes using reversibly switchable proteins. ○
- 434 Viscosity Decoupling does not Guarantee Dynamic Heterogeneity: A Way Out. **2022**, 114361 ○
- 433 Deciphering the interactions of phytochemicals with ovalbumin, the major food allergen from egg-white: Spectroscopic and computational studies. ○
- 432 Thermodynamics of the association of aminoglycoside antibiotics with human angiogenin. **2022**, 30, ○
- 431 Detecting of plant protection spraying by excited luminescence. **2022**, ○
- 430 The photoprotection mechanism in the blackBrown pigment eumelanin. **2022**, 119, ○
- 429 Evaluation of the Passivation Effects of PEDOT:PSS on Inverted Perovskite Solar Cells. 2202713 ○
- 428 Mechanistic Insights into the Charge Transfer Dynamics of Photocatalytic Water Oxidation at the Lipid BilayerWater Interface. **2022**, 144, 19353-19364 ○
- 427 Multifunctional Ionic Fullerene Additive for Synergistic Boundary and Defect Healing of Tin Perovskite to Achieve High-Efficiency Solar Cells. **2022**, 14, 46603-46614 ○
- 426 BODIPY Equipped Benzo-Crown-Ethers as Fluorescent Sensors for pH independent Detection of Na<sup>+</sup> and K<sup>+</sup>. ○
- 425 Mutant Flavin-Based Fluorescent Protein Sensors for Detecting Intracellular Zinc and Copper in Escherichia coli. ○

- 424 Determination of the boundary lipids of sticholysins using tryptophan quenching. **2022**, 12, 0
- 423 DOM Molecular Weight Fractionation and Fluorescence Quantum Yield Assessment Using a Coupled In-Line SEC Optical Property System. 1
- 422 Spectrally Resolved FRET Microscopy of  $\beta$ -Synuclein Phase-Separated Liquid Droplets. **2023**, 425-447 0
- 421 The light aging behavior of daylight fluorescent paints: a colorimetric, photographic, Raman spectroscopic and fluorescence spectroscopic study. **2022**, 10, 0
- 420 Development of Aminated Chitosan-Functionalized Magnetite Nanoparticles Enriched with Zinc Phthalocyanine: Detailed Photophysical and Model Cell Membrane Studies. **2022**, 126, 18100-18114 0
- 419 A Carbon Nanotube Binding Bis(pyrenylstyryl)BODIPY-C60 Nano Tweezer: Charge Stabilization through Sequential Electron Transfer. 0
- 418 Investigations of interaction mechanism and conformational variation of serum albumin affected by artemisinin and dihydroartemisinin. 0
- 417 One-Step Ligand-Exchange Method to Produce Quantum Dot/DNA Conjugates for DNA-Directed Self-Assembly. **2022**, 14, 47359-47368 0
- 416 MOF-Based Dual Sensor for the Electrochemical and Fluorescence Detection of Nicotine. 0
- 415 Biophysical insights into the binding capability of Cu(II) schiff base complex with BSA protein and cytotoxicity studies against SiHa. **2022**, e11345 0
- 414 Phase-separating pyrenoid proteins form complexes in the dilute phase. 0
- 413 Dissolved Organic Matter. **2023**, 39-102 0
- 412 Alternately  $\beta$ -Stacked Systems Assisted by o-Carborane: Dual Excimer Emission and Color Modulation by BcageMethylation. 1
- 411 Alternately  $\beta$ -Stacked Systems Assisted by o-Carborane: Dual Excimer Emission and Color Modulation by BcageMethylation. 0
- 410 Fluorescent assemblies: Synergistic of amphiphilic molecules and fluorescent elements. **2022**, 101657 0
- 409 Detection of rare prostate cancer cells in human urine offers prospect of non-invasive diagnosis. **2022**, 12, 1
- 408 Function of four tryptophan residues on Cel7A catalytic efficiency: insight into cellulase screening strategy based on natural cellulose or cellulose analogs. 0
- 407 Divergent Synthesis of Ultrabright and Dendritic Xanthenes for Enhanced Click Chemistry-Based Bioimaging. 0

- 406 Two-photon fluorescence lifetime imaging applied to the mixing of two non-isothermal sprays: temperature and mixing fraction measurements. **2022**, 63, 0
- 405 An aggregation induced emission based simple and sensitive fluorescence "Turn-On" method for monitoring sodium hexa-meta-phosphate, a food preservative. **2022**, 183, 108091 0
- 404 A comparative study on photophysics of meso-substituted mono- and bis-BODIPY carbazoles. **2023**, 436, 114356 0
- 403 Thermodynamics of nanocrystal-ligand binding through isothermal titration calorimetry. 1
- 402 Use of fluorescence spectroscopy to determine adulteration in organic soybean oil. **2022**, 0
- 401 Principles of Quantitative Estimation of Drugs, Endogenous Compounds, and Poisons. **2022**, 723-771 0
- 400 Zinc(ii) complexes of 3-bromo-5-chloro-salicylaldehyde: characterization and biological activity. 1
- 399 PRINCIPAL COMPONENT ANALYSIS OF PHOTON COUNTING HISTOGRAMS IN FLUORESCENCE FLUCTUATION SPECTROSCOPY EXPERIMENTS. **2022**, 89, 726-735 0
- 398 A Miniaturized Transcutaneous Carbon Dioxide Monitor Based on Dual Lifetime Referencing. **2022**, 0
- 397 Insight into the Interaction Mechanism of HSA with Aztreonam: A Multispectroscopic and Computational Approach. **2022**, 27, 7858 1
- 396 The influence of Tm<sup>3+</sup> on the structural, morphological, lifetime, haemocompatibility, and optical properties of sol-gel-synthesized CaS phosphors. **2022**, 128, 0
- 395 Effects of Heme Site (FA1) Ligands Bilirubin, Biliverdin, Hemin, and Methyl Orange on the Albumin Binding of Site I Marker Warfarin: Complex Allosteric Interactions. **2022**, 23, 14007 2
- 394 Confocal Laser Scanning Polarimetry. **2023**, 321-344 0
- 393 Adaptive preservation of orphan ribosomal proteins in chaperone-stirred condensates. 0
- 392 Multicompartment Nanoparticles by Crystallization-Driven Self-Assembly of Star Polymers: Combining High Stability and Loading Capacity. 2200706 1
- 391 New terbium complex as a luminescent probe for determination of chlorogenic acid in green coffee and roasted coffee infusions. 0
- 390 Gallic Acid-Triethylene Glycol Aptadendrimers Synthesis, Biophysical Characterization and Cellular Evaluation. **2022**, 14, 2456 0
- 389 Confinement-Driven Photophysics in Hydrazone-based Hierarchical Materials. 0



- 388 Dual-function artificial molecular motors performing rotation and photoluminescence. **2022**, 8, 0
- 387 Simple and cheap preparation of fluorescence paper sensor based in carbon dot for visual detection of chloramphenicol. 0
- 386 SPECTRAL CHARACTERISTICS OF THE COMPLEXES OF HOECHST33258 WITH BSA. **2022**, 7, 256-260 0
- 385 Effect of Lipid Raft Disruptors on Cell Membrane Fluidity Studied by Fluorescence Spectroscopy. **2022**, 23, 13729 1
- 384 Self-Assembled Protein-Surfactant Nanoaggregates for Tunable Peptide Bond Hydrolysis by Polyoxometalate Nanoclusters. 0
- 383 Mueller Matrix Polarimetry in Biomedicine: Enabling Technology, Biomedical Applications, and Future Prospects. **2023**, 61-103 0
- 382 Amine-Reactive BODIPY Dye: Spectral Properties and Application for Protein Labeling. **2022**, 27, 7911 0
- 381 A portable spectroscopic instrument for multiplexed monitoring of acute water toxicity: Design, testing, and evaluation. **2022**, 93, 115105 1
- 380 DNA as grabbers and steerers of quantum emitters. **2022**, 1
- 379 A Deep Ultraviolet Raman and Fluorescence Spectral Library of 51 Organic Compounds for the SHERLOC Instrument Onboard Mars 2020. 0
- 378 Component Analysis of Photon Counting Histograms in Fluorescence Fluctuation Spectroscopy Experiments. **2022**, 89, 930-939 0
- 377 Cu-Catalyzed Atom Transfer Radical Polymerization: The Effect of Cocatalysts. 2200347 1
- 376 Detection of Azo Dyes Using Carbon Dots from Olive Mill Wastes. **2022**, 10, 487 0
- 375 Maximizing light-driven CO<sub>2</sub> and N<sub>2</sub> fixation efficiency in quantum dot-Bacteria hybrids. 0
- 374 Non-Ionic Surfactant Effects on Innate Pluronic 188 Behavior: Interactions, and Physicochemical and Biocompatibility Studies. **2022**, 23, 13814 0
- 373 A Spectroscopic Approach to Unravel the Local Conformations of a G-Quadruplex Using CD-Active Fluorescent Base Analogues. 0
- 372 A Possible Mechanism for Aggregation-Induced Chlorophyll Fluorescence Quenching in Light-Harvesting Complex II from the Marine Green Alga *Bryopsis corticulans*. 0
- 371 Confinement-Driven Photophysics in Hydrazone-based Hierarchical Materials. 0

- 370 Fluorescent properties of amphi-PIC J-aggregates in the complexes with bovine serum albumin. **2022**, 368, 120755 ○
- 369 Assessing the Suitability of a Dicationic Ionic Liquid as a Stabilizing Material for the Storage of DNA in Aqueous Medium. ○
- 368 Fluorescent Multifunctional Organic Nanoparticles for Drug Delivery and Bioimaging: A Tutorial Review. **2022**, 14, 2498 2
- 367 Para-N-Methylpyridinium Pyrenes: Impact of Positive Charge on ds-DNA/RNA and Protein Recognition, Photo-Induced Bioactivity, and Intracellular Localisation. **2022**, 14, 2499 ○
- 366 Experimental and theoretical studies of linear and non-linear optical properties of novel fused-triazine derivatives for advanced technological applications. **2022**, 12, 1 ○
- 365 Formation of a tight complex between amphidinol 3 and sterols in lipid bilayers revealed by short-range energy transfer. 1
- 364 Plasmon-Enhanced Ultraviolet Luminescence in Colloid Solutions and Nanostructures Based on Aluminum and ZnO Nanoparticles. **2022**, 12, 4051 ○
- 363 Nanostructured Luminescent Gratings for Sensorics. **2022**, 15, 8195 ○
- 362 Multispectroscopic and Computational Investigations on the Binding Mechanism of Dicafeoylquinic Acids with Ovalbumin. ○
- 361 Analysis of thermooxidation progress in organic and conventional soybean oils by steady-state fluorescence spectroscopy. **2022**, ○
- 360 A comprehensive in vitro exploration into the interaction mechanism of coumarin derivatives with bovine hemoglobin: Spectroscopic and computational methods. **2023**, 436, 114425 ○
- 359 Exploring cationic polyelectrolyte-micelle interaction via excited-state proton transfer. Signatures of probe transfer. ○
- 358 Electrochemical Behaviour of Green Synthesized Silver Nanoparticles using *Camellia sinensis* Leaves: Impacts on Photophysical Behaviour of Benzofuran Derivative. **2022**, 34, 3197-3205 ○
- 357 Fluorescence Kinetics and Time-Resolved Measurement. **2022**, ○
- 356 Study of the Spectroscopic Properties of Perylene. **2022**, ○
- 355 Surfactant influences the interaction of copper sulfide nanoparticles with biomolecules. **2023**, 369, 120881 ○
- 354 Interplay of conformational relaxation and hydrogen bond dynamics in the excited states of fluorescent Schiff base anions. **2022**, 25, 304-313 ○
- 353 The anticancer peptide LL-III alters the physico-chemical properties of a model tumor membrane promoting lipid bilayer permeabilization. ○

- 352 The preparation of an FITC-carbon dot nanocomposite and using a C-18 reverse phase column to improve the Hg<sup>2+</sup> ion sensitivity of the FITC-carbon dot ratiometric fluorescent sensor. ○
- 351 Smart genetically-encoded biosensors for the chemical monitoring of living systems. ○
- 350 Aggregation Assisted Turn-On Response of ANS Dye towards Protamine. ○
- 349 Phenylethylnanthracene based pushpull molecular systems: tuning the photophysics through para-substituents on the phenyl ring. ○
- 348 Unveiling the potential of deep eutectic solvents to improve the conformational and colloidal stability of immunoglobulin G antibodies. ○
- 347 Synthesis of azafluoranthenes by iridium-catalyzed [2 + 2 + 2] cycloaddition and evaluation of their fluorescence properties. ○
- 346 All-quantum dot based Förster resonant energy transfer: key parameters for high-efficiency biosensing. ○
- 345 Characterization of ClimbazoleBovine serum albumin interaction by experimental and in silico approaches. **2023**, 288, 122197 ○
- 344 Assessing the impact of increase in the number of hydroxyl groups on the microscopic behaviors of ammonium-based room temperature ionic liquids: A combined fluorescence up-conversion, fluorescence correlation and NMR spectroscopic study. **2023**, 437, 114505 ○
- 343 1,7-, 1,6-, and 1,6,7- Derivatives of dodecylthio perylene diimides: Synthesis, characterization, and comparison of electrochemical and optical properties. **2023**, 437, 114441 ○
- 342 Innovative localized surface plasmon resonance sensing technique for a green spectrofluorimetric assay of ketoprofen, paracetamol and chlorzoxazone in pharmaceutical preparations and biological fluids. **2022**, 12, 33540-33551 ○
- 341 Non-Conventional Flow Cytometry. **2022**, 497-522 ○
- 340 Basic Digital Image Acquisition, Design, Processing, Analysis, Management, and Presentation. **2022**, 77-104 ○
- 339 Optical Spectroscopy for on Line Water Monitoring. **2022**, 165-188 ○
- 338 Signals: Fluorescence, Phosphorescence, Impedance, Extinction. **2022**, 23-35 ○
- 337 Optical dual sensor single fiber Pt(II) complex coated perovskite quantum dots green for oxygen and nitric oxide gas detection. **2022**, ○
- 336 (Z)-2-(2-(Anthracen-9-ylmethylene)hydrazineyl)pyrimidine-rhodium(III): Crystal Structure and DNA Binding Property. **2022**, 12, 1664 ○
- 335 Cascade Förster Resonance Energy Transfer Studies for Enhancement of Light Harvesting on Dye-Sensitized Solar Cells. **2022**, 12, 4085 ○

- 334 Photoinduced Electron Transfer from the Tryptophan Triplet State in Zn-Azurin. ○
- 333 Solvent-Dependent Fluorescence Properties of CH<sub>2</sub>-bis(BODIPY)s. **2022**, 23, 14402 ○
- 332 Calix[4]arene Polyamine Triazoles: Synthesis, Aggregation and DNA Binding. **2022**, 23, 14889 ○
- 331 Diffusion theory of molecular liquids in the energy representation and application to solvation dynamics. ○
- 330 A Simplified Treatment for Efficiently Modeling the Spectral Signal of Vibronic Transitions: Application to Aqueous Indole. **2022**, 27, 8135 1
- 329 A Novel Protocol for the Synthesis of 1,2,4-Oxadiazoles Active against Trypanosomatids and Drug-Resistant Leukemia Cell Lines. **2022**, 7, 403 ○
- 328 Development of Fluorescent Turn-On Probes for CAG-RNA Repeats. **2022**, 12, 1080 ○
- 327 Dilated cardiomyopathy mutation E525K in human beta-cardiac myosin stabilizes the interacting-heads motif and super-relaxed state of myosin. 11, ○
- 326 Comparing the light response of D-glucose in polyacrylamide hydrogel and water in NIR spectral region by using an LED based portable device. **2023**, 55, ○
- 325 Reduction of Background Fluorescence from Impurities in Protein Samples for Raman Spectroscopy. **2022**, 2022, 1-8 ○
- 324 Interaction of the birch-bark terpenoids with human and bovine serum albumins. **2022**, 9, 25-35 ○
- 323 Metal Coordination and Biological Screening of a Schiff Base Derived from 8-Hydroxyquinoline and Benzothiazole. **2022**, 14, 2583 2
- 322 Development of an Endoplasmic Reticulum-targeting Fluorescent Probe for the Imaging of Superoxide Anion in Living Cells. ○
- 321 Using Intrinsic Fluorescence to Measure Protein Stability Upon Thermal and Chemical Denaturation. **2023**, 229-241 ○
- 320 Testing Serum Albumins and Cyclodextrins as Potential Binders of the Mycotoxin Metabolites Alternariol-3-Sulfate, Alternariol-9-Monomethylether and Alternariol-9-Monomethylether-3-Sulfate. **2022**, 23, 14353 2
- 319 Near-Infrared Emission of HgTe Nanoplatelets Tuned by Pb-Doping. **2022**, 12, 4198 ○
- 318 Photo-Phytotherapeutic Gel Composed of *Copaifera reticulata*, Chlorophylls, and k-Carrageenan: A New Perspective for Topical Healing. **2022**, 14, 2580 ○
- 317 Light-Induced In Situ Transmission Electron Microscopy-Development, Challenges, and Perspectives. **2022**, 22, 9219-9226 ○

- 3<sup>16</sup> A Highly Sensitive and Selective Nano-Fluorescent Probe for Ratiometric and Visual Detection of Oxytetracycline Benefiting from Dual Roles of Nitrogen-Doped Carbon Dots. **2022**, 12, 4306 1
- 3<sup>15</sup> Synthesis, Structure, and Spectral-Luminescent Properties of Peripherally Fluorinated Mg(II) and Zn(II) Octaphenyltetraazaporphyrins. **2022**, 27, 8619 0
- 3<sup>14</sup> Glass Containing Eu<sub>2</sub>O<sub>3</sub>, Tb<sub>2</sub>O<sub>3</sub>, Sm<sub>2</sub>O<sub>3</sub>, ZnO as a Color Filter Used in the Automotive Industry. **2022**, 22, 573-584 0
- 3<sup>13</sup> Two-Photon Imaging for Non-Invasive Corneal Examination. **2022**, 22, 9699 0
- 3<sup>12</sup> Quantification Methodology of Ammonia Produced from Electrocatalytic and Photocatalytic Nitrogen/Nitrate Reduction. **2023**, 16, 27 0
- 3<sup>11</sup> A major conformational change of N-terminal helices of *Bacillus thuringiensis* Cry1Ab insecticidal protein is necessary for membrane insertion and toxicity. 0
- 3<sup>10</sup> Interactions between Hazelnut (*Corylus avellana* L.) Protein and Phenolics and In Vitro Gastrointestinal Digestibility. **2022**, 9, 406 0
- 3<sup>09</sup> Optical spectroscopy of cyanine dyes J-aggregates in porous TiO<sub>2</sub> matrices. **2022**, 29, 0
- 3<sup>08</sup> Multilayered allosteric modulation of coupled folding and binding by phosphorylation, peptidyl-prolyl cis/trans isomerization, and diversity of interaction partners. **2022**, 157, 235102 0
- 3<sup>07</sup> Effect of Hydroxyl Group on Photo-Physical Properties and Dipole Moments of Fluorescent Dyes: An Experimental and Computational Approach. 0
- 3<sup>06</sup> Cryogenic Fluorescence Spectroscopy of Ionic Fluorones in Gaseous and Condensed Phases: New Light on Their Intrinsic Photophysics. 0
- 3<sup>05</sup> Development and Implementation of MBR Monitoring: Use of 2D Fluorescence Spectroscopy. **2022**, 12, 1218 0
- 3<sup>04</sup> NlugOBP8 in *Nilaparvata lugens* Involved in the Perception of Two Terpenoid Compounds from Rice Plant. 0
- 3<sup>03</sup> PAMAM-Calix-Dendrimers: Second Generation Synthesis, Fluorescent Properties and Catecholamines Binding. **2022**, 14, 2748 1
- 3<sup>02</sup> Dysplasia and tumor discrimination in brain tissues by combined fluorescence, Raman and diffuse reflectance spectroscopies. 0
- 3<sup>01</sup> Binding of flavonoids to yeast aldehyde dehydrogenase: a molecular mechanism and computational approach. 1-8 0
- 3<sup>00</sup> The photophysics of 2-cyanoindole probed by femtosecond spectroscopy. 0
- 299 Portability of a Small-Molecule Binding Site between Disordered Proteins. **2022**, 12, 1887 0

- 298 Fluorescence Quenching of Humic Substances and Natural Organic Matter by Nitroxide Free Radicals. ○
- 297 Engineered Ferritin with Eu 3+ as a Bright Nanovector: A Photoluminescence Study. ○
- 296 DNA/Protein Binding and Apoptotic-Induced Anticancer Property of a First Time Reported Quercetin/Iron(III) Complex Having a Secondary Anionic Residue: A Combined Experimental and Theoretical Approach. ○
- 295 Precise Molecular Design for Two Parent BN-Pentacyclic Isomers Through Stitching Engineering Toward Extremely Sensitive Explosive Detection. 2202433 ○
- 294 Fluorescence Anisotropy in Radachlorin and Chlorin e6 in Water/Methanol Solutions under One- and Two-Photon Excitation. **2023**, 10, 9 ○
- 293 Spectroscopic and photophysicochemical properties of zinc(II) phthalocyanine substituted with benzenesulfonamide units containing schiff base. **2022**, 21, 997-1011 ○
- 292 Coordination Compounds of Lanthanides as Materials for Luminescent Turn Off Sensors. ○
- 291 MOF-Based Materials with Sensing Potential: Pyrrolidine-Fused Chlorin at UiO-66(Hf) for Enhanced NO<sub>2</sub> Detection. **2022**, 10, 511 ○
- 290 Simple Water-Assisted Synthesis of Ce-Doped Lead-Free Cesium Metal Halides for Visible-Blind UV Photodetectors. ○
- 289 Tuning the Photophysics of Two-Arm Bis[(dimethylamino)styryl]benzene Derivatives by Heterocyclic Substitution. **2022**, 27, 8725 ○
- 288 Molecular rotational correlation times and nanoviscosity determined by 111mCd perturbed angular correlation (PAC) of  $\gamma$ -rays spectroscopy. ○
- 287 Unveiling the Metal-Dependent Aggregation Properties of the C-terminal Region of Amyloidogenic Intrinsically Disordered Protein Isoforms DPF3b and DPF3a. **2022**, 23, 15291 ○
- 286 Solvent effect on the Spectra of Methylene Green and Methylene Blue. ○
- 285 Perfusability and immunogenicity of implantable pre-vascularized tissues recapitulating native capillary network. ○
- 284 Fabrication of Zein/Persian Gum Particles Under the Effect of pH and Protein:Gum Ratio and Investigating Their Physico-chemical Properties. ○
- 283 Revisiting the Anti-Cancer Toxicity of Clinically Approved Platinating Derivatives. **2022**, 23, 15410 ○
- 282 Coumarin-Based Reversible Fluorescent Chemosensors for the Sequential Detection of Copper and Citrate Ions. **2022**, 7, 1
- 281 Fluorescent Pyranoindole Congeners: Synthesis and Photophysical Properties of Pyrano[3,2-f], [2,3-g], [2,3-f], and [2,3-e]Indoles. **2022**, 27, 8867 ○

- 280 Gas-phase Förster resonance energy transfer in mass-selected and trapped ions. ○
- 279 New TEMPO-Appended 2,2'-Bipyridine-Based Eu(III), Tb(III), Gd(III) and Sm(III) Complexes: Synthesis, Photophysical Studies and Testing Photoluminescence-Based Bioimaging Abilities. **2022**, 27, 8414 ○
- 278 Doping induced morphology, crystal structure, and upconversion luminescence evolution: from Na<sub>3</sub>ScF<sub>6</sub>:Yb/Er/Y to NaYF<sub>4</sub>:Yb/Er/Sc nanocrystals. ○
- 277 Spectroscopic and molecular docking studies of the interactions of sunset yellow and allura red with human serum albumin. ○
- 276 Designs and Applications of Multi-stimuli Responsive FRET Processes in AIEgen-Functionalized and Bi-fluorophoric Supramolecular Materials. **2023**, 381, ○
- 275 Small Molecule Properties Define Partitioning into Biomolecular Condensates. ○
- 274 The Electrostatic-Mediated Formation of a Coordination Complex: the Trapping and Release of an Antitumor Drug with an Anthracycline Core from {Mo 72 Fe 30}-Based Ensembles. **2022**, 7, ○
- 273 Updated insight into the characterization of nano-emulsions. ○
- 272 Macroscopic quantum electrodynamics approach to multichromophoric excitation energy transfer. II. Polariton-mediated population dynamics in a dimer system. **2022**, 157, 234109 ○
- 271 Copper(II) Complexes of 5-Fluorosalicylaldehyde: Synthesis, Characterization, Antioxidant Properties, Interaction with DNA and Serum Albumins. **2022**, 27, 8929 ○
- 270 Syntheses, characterizations, and properties of 1,4-phenylene and 4,4'-biphenylene bridged BOBPY dimers. ○
- 269 Near-Infrared-Emitting Meso-Substituted Heptamethine Cyanine Dyes: From the Synthesis and Photophysics to Their Use in Bioimaging. **2023**, 11, 47 ○
- 268 Demonstration of Solute-specific Synergism in Binary Solvents. ○
- 267 Aligning Extended Deficient Ligands to Afford Submicrosecond Phosphorescence Radiative Decay Time of Mononuclear Ir(III) Complexes. **2023**, 62, 810-822 ○
- 266 Mixing of Excitons in Nanostructures Based on a Perylene Dye with CdTe Quantum Dots. **2023**, 16, 552 1
- 265 Study on the interactions between lactic acid-based deep eutectic solvents and bovine serum albumin. ○
- 264 Choosing the Right Fluorescent Probe. **2022**, ○
- 263 Controlling the Photofunctionality of a Polyanionic Heteroleptic Copper(I) Photosensitizer Using Its Ion-pair Formation with Polycationic Ammonium in Aqueous Media. ○

- 262 Fluorophore-Induced Plasmonic Current Generation from Aluminum Nanoparticle Films. ○
- 261 Importance of C3=C4 double bond of plant alkaloid Harmine on its binding interaction with Hemoglobin: Multi-spectroscopic and molecular modelling studies. ○
- 260 Anti-Oxidation Agents to Prevent Dye Degradation in Organic-Based Host-Guest Systems Suitable for Luminescent Solar Concentrators. **2023**, 16, 656 ○
- 259 High-Contrast Marking of Stainless-Steel Using Bursts of Femtosecond Laser Pulses. **2023**, 14, 194 ○
- 258 Structural elucidation of a Mn(III) derivative anchored with a tetradentate Schiff base precursor: in vitro cytotoxicity study. ○
- 257 Facile synthesis of graphene quantum dots with red emission and high quantum yield. ○
- 256 Spectroscopic Studies of Quinobenzothiazine Derivative in Terms of the In Vitro Interaction with Selected Human Plasma Proteins: Part 2. **2023**, 28, 698 ○
- 255 Assessing the role of membrane lipids in the action of ruthenium(III) anticancer compounds. 9, 1
- 254 Effect of Arylazo Sulfones on DNA: Binding, Cleavage, Photocleavage, Molecular Docking Studies and Interaction with A375 Melanoma and Non-Cancer Cells. **2023**, 24, 1834 ○
- 253 Cobalt-Based Metal-Organic Frameworks and Its Mixed-Matrix Membranes for Discriminative Sensing of Amines and On-Site Detection of Ammonia. ○
- 252 From Symmetry Breaking to Symmetry Swap: Is Kasha's Rule Violated in Multibranched Phenyleneethynylenes?. ○
- 251 Phase-separating pyrenoid proteins form complexes in the dilute phase. **2023**, 6, ○
- 250 Unusual Turn-on/Ratiometric Response of Fluorescent Porphyrin-Pyrene Dyads to the Nitroaromatic Compounds. **2023**, 11, 43 ○
- 249 Perpetual Extension of Conjugation of Fluorene-Based Donor-Acceptor Dyads Yield Diminished Nonlinear Optical Response. ○
- 248 Unveiling the Molecular Structure and Two-photon Absorption Properties Relationship of Branched Oligofluorenes. ○
- 247 Probing DNA structural heterogeneity by identifying conformational subensembles of a bicovalently bound cyanine dye. **2023**, 158, 035101 ○
- 246 Synthesis, Solvatochromism and Fluorescence Quenching Studies of Naphthalene Diimide Dye by Nanographene Oxide. ○
- 245 Synthesis of fluorescent Molecularly Imprinted Polymer Nanoparticles Sensing Small Neurotransmitters with High Selectivity Using Immobilized Templates with Regulated Surface Density. **2023**, 13, 212 ○



- 244 Advances in microfluidic chips based on islet hormone-sensing techniques. 14, 17-25 ○
- 243 A computational two-photon fluorescence approach for revealing label-free the 3D image of viruses and bacteria. ○
- 242 Switching of the Polarity-Sensitive Aggregation Pattern of a Thiosemicarbazone-Based Anticancer Luminophore and Its Involvement in Cellular Apoptosis of the Human Lung Cancer Cell Line. **2023**, 127, 104-120 ○
- 241 Recent advances in the development of phenothiazine and its fluorescent derivatives for optoelectronic applications. ○
- 240 Controlling the Photofunctionality of a Polyanionic Heteroleptic Copper(I) Photosensitizer Using Its Ion-pair Formation with Polycationic Ammonium in Aqueous Media. ○
- 239 Fluorescent Carbon Dots for Super-Resolution Microscopy. **2023**, 16, 890 ○
- 238 Enhancing Dynamic Spectral Diffusion in Metal-Organic Frameworks through Defect Engineering. **2023**, 145, 1072-1082 1
- 237 KAFEN MOLEKULERN MSN PROTENIIE OLAN ETKELERN FLORESAN SPEKTROSKOP TEKNIE ARATIRILMASI. 50-60 ○
- 236 Interaction of Ibuprofen with Partially Unfolded Bovine Serum Albumin in the Presence of Ionic Micelles and Oligosaccharides at Different  $\beta$ x and pH: A Spectroscopic Analysis. ○
- 235 Solvatochromic Sensitivity of BODIPY Probes: A New Tool for Selecting Fluorophores and Polarity Mapping. **2023**, 24, 1217 ○
- 234 Heavy Metal and Metalloid Contamination in Food and Emerging Technologies for Its Detection. **2023**, 15, 1195 2
- 233 Characteristics of chromophoric dissolved organic matter in the Northern Andaman Sea. 9, ○
- 232 Inhibition of Cancer Cell Proliferation and Bacterial Growth by Silver(I) Complexes Bearing a CH<sub>3</sub>-Substituted Thiadiazole-Based Thioamide. **2023**, 28, 336 ○
- 231 Implications of Tryptophan-Like-Fluorescence Long-Term Monitoring for Bacterial Detection in a Mountainous Karst Aquifer. **2023**, 79-84 ○
- 230 Luminescent Materials with Turn-on and Ratiometric Sensory Response Based on Coordination Compounds of Lanthanides. ○
- 229 Fluorescence Imaging of Intracellular Glutathione Levels in the Endoplasmic Reticulum to Reveal the Inhibition Effect of Rutin on Ferroptosis. ○
- 228 Carbon Dot Emission Enhancement in Covalent Complexes with Plasmonic Metal Nanoparticles. **2023**, 13, 223 ○
- 227 Water-soluble extracellular vesicle probes based on conjugated oligoelectrolytes. **2023**, 9, ○

- 226 Fluorescence lifetime distribution in phakic and pseudophakic healthy eyes. **2023**, 18, e0279158 ○
- 225 Impact of dark excitons on Förster-type resonant energy transfer between dye molecules and atomically thin semiconductors. **2023**, 107, ○
- 224 An analytical approach based on excitation-emission fluorescence spectroscopy and chemometrics for the screening of prostate cancer through urine analysis: A proof-of-concept study. **2023**, 234, 104752 ○
- 223 Coupling of cationic porphyrins on manganese ferrite nanoparticles: A potential multifunctional nanostructure for theranostics applications. **2023**, 438, 114551 ○
- 222 Challenges of Spectrofluorometry, Part 1: Collect Data Right the First Time. **2021**, 44-46 ○
- 221 Challenges of Spectrofluorometry Part 3: Sample-Specific Concerns. **2021**, 30-35,62 ○
- 220 Oxyethylated Fluorescein-(thia)calix[4]arene Conjugates: Synthesis and Visible-Light Photoredox Catalysis in Water/Organic Media. **2023**, 28, 261 ○
- 219 Increased intracellular crowding during hyperosmotic stress. ○
- 218 Metal Complexes of a 5-Nitro-8-Hydroxyquinoline-Proline Hybrid with Enhanced Water Solubility Targeting Multidrug Resistant Cancer Cells. **2023**, 24, 593 ○
- 217 Selective Triplet-Singlet Förster-Resonance Energy Transfer for Bright Red Afterglow Emission. 2211604 1
- 216 Droplet Detection and Sorting System in Microfluidics: A Review. **2023**, 14, 103 ○
- 215 Development of a methodology for the characterisation and assessment of biodeteriogens on archaeological surfaces by use of a portable LED-induced fluorescence instrument. **2022**, 10, ○
- 214 Integration Host Factor Binds DNA Holliday Junctions. **2023**, 24, 580 ○
- 213 Ionic-Wind-Enhanced Raman Spectroscopy without Enhancement Substrates. ○
- 212 Green synchronous spectrofluorimetric method for the simultaneous determination of agomelatine and venlafaxine in human plasma at part per billion levels. **2022**, 12, ○
- 211 Fluorescence Lifetimes of NIR-Emitting Molecules with Excited-State Intramolecular Proton Transfer. **2023**, 28, 125 1
- 210 Dynamics of Electron Transfers in Photosensitization Reactions of Zinc Porphyrin Derivatives. **2023**, 28, 327 ○
- 209 Interaction mode of hydroxypropyl- $\beta$ -cyclodextrin with vaccine adjuvant components Tween 80 and Triton X-100 revealed by fluorescence increasing-quenching analysis. ○

208	Effect of Cisplatin and Its Cationic Analogues in the Phase Behavior and Permeability of Model Lipid Bilayers. <b>2023</b> , 20, 918-928	0
207	Enzyme Inhibition-Based Assay to Estimate the Contribution of Formulants to the Effect of Commercial Pesticide Formulations. <b>2023</b> , 24, 2268	1
206	Interaction between a Photoisomerizable Azobenzene Compound and Alpha-Lactalbumin: Spectroscopic and Computational Simulation Studies.	0
205	Intracellular conformation of amyotrophic lateral sclerosis-causative TDP-43.	0
204	Interface chemistry and displacement of porphyrin macrocycles on semiconductor quantum dot surface.	0
203	Formation of ZnS quantum dots using green tea extract: applications to protein binding, bio-sensing, anti-bacterial and cell cytotoxicity studies.	0
202	Fluorescence Detecting of Paraquat and Diquat Using Host-Guest Chemistry with a Fluorophore-Pendant Calix[6]arene. <b>2023</b> , 23, 1120	0
201	A single-molecule method for measuring fluorophore labeling yields for the study of membrane protein oligomerization in membranes. <b>2023</b> , 18, e0280693	0
200	The Unusual Aggregation and Fusion Activity of the Antimicrobial Peptide W-BP100 in Anionic Vesicles. <b>2023</b> , 13, 138	0
199	Plasmonic quenching and enhancement: metal-quantum dot nano hybrids for fluorescence biosensing.	0
198	Two-Photon Excited Fluorescence of NADH-Alcohol Dehydrogenase Complex in a Mixture with Bacterial Enzymes. <b>2023</b> , 13, 256	0
197	Functional Roles of Polymers in Room-Temperature Phosphorescent Materials: Modulation of Intersystem Crossing, Air Sensitivity and Biological Activity.	0
196	A Diphenylalanine Based Pentapeptide with Fibrillating Self-Assembling Properties. <b>2023</b> , 15, 371	0
195	Investigation of the Interaction of Benzo(a)Pyrene and Fluoranthene with Cucurbit[n]urils (n = 6-8): Experimental and Molecular Dynamic Study. <b>2023</b> , 28, 1136	0
194	Functional Roles of Polymers in Room-Temperature Phosphorescent Materials: Modulation of Intersystem Crossing, Air Sensitivity and Biological Activity.	0
193	Study of the interaction mechanism of silver nanoparticles with IgG globulin, fibrinogen and hyaluronidase.	0
192	Quantum Dot-Peptide Conjugates as Energy Transfer Probes for Sensing the Proteolytic Activity of Matrix Metalloproteinase-14. <b>2023</b> , 95, 2713-2722	0
191	Influence of Nanodiamonds on Enhancement of Fluorescence of Products of the Tryptophan-Phototransformation Reaction in the Presence of Halogenated Carbohydrates.	0

- 190 Highly Fluorescent Supramolecular Nanoring Composed of Bent-Shaped Cyanostilbene Derivatives and Cucurbit[8]urils. ○
- 189 Elucidating the Sluggish Water Dynamics at the Ice-Binding Surface of the Hyperactive Tenebrio molitor Antifreeze Protein. **2023**, 127, 121-132 ○
- 188 UVB light influence on the laccase enzyme catalytic activity in reverse micelles and in homogeneous aqueous medium. ○
- 187 PLATERO: A calibration protocol for plate reader green fluorescence measurements. 11, ○
- 186 Upregulation of Formaldehyde in Parkinson's Disease Found by a Near-Infrared Lysosome-Targeted Fluorescent Probe. **2023**, 95, 2925-2931 ○
- 185 Intramolecular Charge Transfer and Ultrafast Nonradiative Decay in DNA-Tethered Asymmetric Nitro- and Dimethylamino-Substituted Squaraines. **2023**, 127, 1141-1157 ○
- 184 Boosting the Sensitivity with Time-Gated Luminescence Thermometry Using a Nanosized Molecular Cluster-Aggregate. ○
- 183 Photophysical Rate Constants and Oxygen Dependence for Si and Ge Rhodamine Zwitterions. **2023**, 127, 851-860 ○
- 182 Copper(ii) and silver(i) complexes with dimethyl 6-(pyrazine-2-yl)pyridine-3,4-dicarboxylate (py-2pz): the influence of the metal ion on the antimicrobial potential of the complex. **2023**, 13, 4376-4393 ○
- 181 Red-to-Near-Infrared Emitting PyrrolylBODIPY Dyes: Synthesis, Photophysical Properties and Bioimaging Application. ○
- 180 The fluorescence study of the quenching of nanoemulsion by protoporphyrin IX (PPIX). **2022**, 6, 97-99 ○
- 179 Synthesis and fluorescence properties of 9,9-dimethylfluorene-diyl bridged molecular gyrotops: effects of slight fluorophore motion on fluorescence efficiency in the solid state. **2023**, 47, 5946-5952 ○
- 178 A red-emitting thiophene-modified BODIPY probe for fluorescence lifetime-based polarity imaging of lipid droplets in living cells. ○
- 177 Combined theoretical and experimental insights on DNA and BSA binding interactions of Cu(ii) and Ni(ii) complexes along with the DPPH method of antioxidant assay and cytotoxicity studies. **2023**, 13, 7632-7644 ○
- 176 Mechanistic insight into Pb<sup>2+</sup> and Hg<sup>2+</sup> ion sensing using cobalt-based coordination polymer in aqueous phase. **2023**, 52, 4303-4308 ○
- 175 Energy Funneling from Water-Dispersed Perovskites to Chromophores. **2023**, 8, 1520-1528 ○
- 174 rMELEISH: A Novel Recombinant Multi-epitope-Based Protein Applied to the Serodiagnosis of Both Canine and Human Visceral Leishmaniasis. **2023**, 12, 302 ○
- 173 A Fluorogenic Covalent Chromone-Based Intercalator with a Mega-Stokes Shift for Sensing DNA Hybridization. **2023**, 11, 161 ○

- 172 Preliminary Assessment of In Vivo Raman Spectroscopy Technique for Bone Quality Evaluation of Augmented Maxillary Sinus Floor. **2023**, 20, 4789 ○
- 171 Basic Definitions and Fundamentals. **2023**, 5-35 ○
- 170 Influence of Thermal Maturity on the Time-Resolved Emission Spectrum (TRES) Fluorescence Lifetime Characteristics of Crude Oils: A Preliminary Study Based on a Thermal Simulation Experiment of Crude Oils. **2023**, 37, 5165-5178 ○
- 169 Ultrafast Energy Transfer from Photoexcited Tryptophan to the Haem in Cytochrome c. **2023**, 14, 2425-2432 ○
- 168 Fluorescent Ink and Chemical Sensing Towards Tartrazine Based on Nitrogen-Doped Carbon Dots Derived from Durian Seed Waste. ○
- 167 Ultrahigh Raman-Fluorescence Dual-Enhancement in Nanogaps of Silver-Coated Gold Nanopetals. ○
- 166 Hemin as a General Static Dark Quencher for Constructing Heme Oxygenase-1 Fluorescent Probes. ○
- 165 The GaN(0001) yellow-luminescence-related surface state and its interaction with air. **2023**, 38, 102834 ○
- 164 Time-resolved absorption measurements quantify the competition of energy and electron transfer between quantum dots and cytochrome c. **2023**, 295, 122627 ○
- 163 Multispectroscopic studies of binding interaction of phosmet with bovine hemoglobin. **2023**, 296, 122630 ○
- 162 Efficient ultrafast laser writing with elliptical polarization. **2023**, 12, ○
- 161 Furan-Dihydroquinazolinone based Fluorescent Nanoprobe for Selective Recognition of 4-nitrophenol: A Spectrofluorimetric Approach. ○
- 160 Room temperature phosphorescence of 2-aminopyridine with direct triplet state excitation. **2023**, 295, 122640 ○
- 159 In-Vial Detection of Protein Denaturation Using Intrinsic Fluorescence Anisotropy. **2023**, 95, 2774-2782 ○
- 158 Quantum dots: Another choice to sensitize organic transformations. **2023**, 4, 011304 ○
- 157 Imaging the rotational mobility by frequency domain time-resolved fluorescence anisotropy. **2023**, ○
- 156 Intrinsic Fluorescence Kinetics in Proteins. **2022**, ○
- 155 Lighting Up the Heritage Sciences: The Past and Future of Laser-Induced Fluorescence Spectroscopy in the Field of Cultural Goods. **2023**, 11, 100 ○

154	Effects of Substituents on the Photophysical/Photobiological Properties of Mono-Substituted Corroles. <b>2023</b> , 28, 1385	1
153	Single-cell pathogen diagnostics for combating antibiotic resistance. <b>2023</b> , 3,	0
152	Analysis of the phase-dependent fluorescence decay time of treated wood using FD-FLIM. <b>2023</b> ,	0
151	Evaluation of In Vitro Distribution and Plasma Protein Binding of Selected Antiviral Drugs (Favipiravir, Molnupiravir and Imatinib) against SARS-CoV-2. <b>2023</b> , 24, 2849	0
150	Understanding FRET in Upconversion Nanoparticle Nucleic Acid Biosensors. <b>2023</b> , 23, 2253-2261	2
149	Interaction of Positively Charged Oligopeptides with Blood Plasma Proteins. <b>2023</b> , 24, 2836	0
148	Fluorescence Resonance Energy Transfer ( FRET ). <b>2023</b> , 31-69	0
147	Highly Efficient Sum-Frequency Generation in Niobium Oxydichloride NbOCl <sub>2</sub> Nanosheets. <b>2023</b> , 11,	0
146	The impact of iron (III) on fluorescent dissolved organic matter (fDOM) probe measurements. <b>2023</b> , 85,	0
145	Calibration of spectra in presence of non-stationary background using unsupervised physics-informed deep learning. <b>2023</b> , 13,	0
144	Enhanced Photoluminescence of R6G Dyes from Metal Decorated Silicon Nanowires Fabricated through Metal Assisted Chemical Etching. <b>2023</b> , 16, 1386	1
143	X-ray Activated Nanoplatforms for Deep Tissue Photodynamic Therapy. <b>2023</b> , 13, 673	0
142	Singlet fission preserves polarisation correlation of excitons. <b>2023</b> , 25, 6817-6829	0
141	A conformational switch in clathrin light chain regulates lattice structure and endocytosis at the plasma membrane of mammalian cells. <b>2023</b> , 14,	0
140	Screening for bilayer-active and likely cytotoxic molecules reveals bilayer-mediated regulation of cell function. <b>2023</b> , 155,	0
139	A compendium of single extracellular vesicle flow cytometry. <b>2023</b> , 12,	0
138	Sol-Gel Dipping Devices for H <sub>2</sub> S Visualization. <b>2023</b> , 23, 2023	1
137	Role of Cholesterol and its Biosynthetic Precursors on Membrane Organization and Dynamics: A Fluorescence Approach. <b>2023</b> , 256, 189-197	0

- 136 Tumor selective Ru(III) Schiff bases complexes with strong in vitro activity toward cisplatin-resistant MDA-MB-231 breast cancer cells. **2023**, 28, 263-284 ○
- 135 Assessing the capabilities of 2D fluorescence monitoring in microtiter plates with data-driven modeling for secondary substrate limitation experiments of *Hansenula polymorpha*. **2023**, 17, ○
- 134 Recent Advances on Peptide-Based Biosensors and Electronic Noses for Foodborne Pathogen Detection. **2023**, 13, 258 ○
- 133 Persistent homology analysis distinguishes pathological bone microstructure in non-linear microscopy images. **2023**, 13, ○
- 132 Supramolecular porphyrin as an improved photocatalyst for chloroform decomposition. **2023**, 13, 5473-5482 ○
- 131 Pseudouridimycin-A Potent Nucleoside Inhibitor of the RNA Polymerase Beta Prime Subunit of *Streptococcus pyogenes*. **2023**, 8, 7989-8000 ○
- 130 Contribution of process-induced molten-globule state formation in duck liver protein to the enhanced binding ability of (E, E)-2,4-heptadienal. **2023**, 103, 3334-3345 ○
- 129 MetalPeptide Complexes with Antimicrobial Potential for Cotton Fiber Protection. **2023**, 14, 106 ○
- 128 Quantitative Fluorescent Detection of Ions. **2023**, 295-328 ○
- 127 Photoisomerization of linear merocyanines in salt solutions. ○
- 126 How Pendant Groups Dictate Energy and Electron Transfer in PerovskiteRhodamine Light Harvesting Assemblies. **2023**, 145, 4601-4612 ○
- 125 pH-Sensitive Fluorescence Emission of Boron/Nitrogen Co-Doped Carbon Quantum Dots. **2023**, 13, 456 ○
- 124 Organic electronic nose applied to food traceability, adulteration, and authenticity. **2023**, 299-328 ○
- 123 Modified lanthanide-doped carbon dots as a novel nanochemosensor for efficient detection of water in toluene and its potential application in lubricant base oils. **2023**, 190, ○
- 122 Bimolecular Excited-State Proton-Coupled Electron Transfer within Encounter Complexes. **2023**, 145, 4462-4472 ○
- 121 3-Aryl-5-aminobiphenyl Substituted [1,2,4]triazolo[4,3-c]quinazolines: Synthesis and Photophysical Properties. **2023**, 28, 1937 ○
- 120 Elastic and bright assembly-induced luminescent crystals of platinum(ii) complexes with near-unity emission quantum yield. ○
- 119 Characteristics of FRET-based Molecular Communication. **2023**, ○

- 118 Evaluation of the size effect of hydrophobic ring substitution on 9-O position of berberine on DNA binding. 1-9 0
- 117 Unusually High Affinity of the PLK Inhibitors RO3280 and GSK461364 to HSA and Its Possible Pharmacokinetic Implications. **2023**, 20, 1631-1642 0
- 116 Understanding of Intramolecular Charge Transfer Dynamics of a PushPull Dimethylamino-phenylethynylphenyl-dicyanoimidazole by Steady-State and Ultrafast Spectroscopic Studies. **2023**, 127, 4724-4740 0
- 115 A constant domain mutation in a patient-derived antibody light chain reveals principles of AL amyloidosis. **2023**, 6, 0
- 114 A short review article on conjugated polymers. **2023**, 30, 0
- 113 Detecting RNA-Protein Interactions With EGFP-Cy3 FRET by Acceptor Photobleaching. **2023**, 3, 0
- 112 The LC3B FRET biosensor monitors the modes of action of ATG4B during autophagy in living cells. 1-21 0
- 111 Optical Manipulation and Recording of Neural Activity with Wavefront Engineering. **2023**, 1-48 0
- 110 Tripodal 1,3,5-benzenetricarboxamide ligand with dipicolinic acid units and its binding with Eu(III) ions. 1-10 0
- 109 Theoretical and experimental analysis of circularly polarized luminescence spectrophotometers for artifact-free measurements using a single CCD camera. **2023**, 14, 1
- 108 Cyclodextrin-Based Displacement Strategy of Sterigmatocystin from Serum Albumin as a Novel Approach for Acute Poisoning Detoxification. **2023**, 24, 4485 0
- 107 Photoactivatable Fluorophores for Bioimaging Applications. **2023**, 1, 640-651 0
- 106 Multiphoton FLIM Analyses of Native and UVA-Modified Synthetic Melanins. **2023**, 24, 4517 0
- 105 Metal Complexes with Naphthalene-Based Acetic Acids as Ligands: Structure and Biological Activity. **2023**, 28, 2171 0
- 104 Biosensing Technologies: A Focus Review on Recent Advancements in Surface Plasmon Coupled Emission. **2023**, 14, 574 5
- 103 Fluorescent Probes cis- and trans-Parinaric Acids in Fluid and Gel Lipid Bilayers: A Molecular Dynamics Study. **2023**, 28, 2241 0
- 102 Role of inhomogeneities in resonance light absorption and luminescence of molecular aggregates. **2023**, 49, 221-227 0
- 101 pH-Induced Biophysical Perspectives of Binding of Surface-Active Ionic Liquid [BMIM][OSU] with HSA and Dynamics of the Formed Complex. **2023**, 39, 3729-3741 0



- 100 Fluorescence. **2023**, 245-329 ○
- 99 Introduction. **2023**, 1-34 ○
- 98 RPG acts as a central determinant for infectious formation and cellular polarization during intracellular rhizobial infections. **2023**, 12, ○
- 97 Energy-Transfer-Induced Enhanced Valley Splitting of Excitonic Emission of Inorganic CdTe@ZnS QDs in the Presence of Organic J-Aggregates: A Spectroscopic Insight into the Efficient Exciton (Inorganic)Exciton (Organic) Coupling. **2023**, 127, 5082-5089 ○
- 96 Resazurin Reduction-Based Assays Revisited: Guidelines for Accurate Reporting of Relative Differences on Metabolic Status. **2023**, 28, 2283 ○
- 95 Effect of mucin on  $\alpha$ -lactoglobulin and lactose interaction. **2023**, 90, 75-81 ○
- 94 Translational Potential of Fluorescence Polarization for Breast Cancer Cytopathology. **2023**, 15, 1501 ○
- 93 Direct Oral FXa Inhibitors Binding to Human Serum Albumin: Spectroscopic, Calorimetric, and Computational Studies. **2023**, 24, 4900 ○
- 92 Dual-Signal Triple-Mode Optical Sensing Platform for Assisting in the Diagnosis of Kidney Disorders. **2023**, 95, 4653-4661 ○
- 91 In Situ Visualization of Membrane Fouling Evolution during Ultrafiltration Using Label-Free Hyperspectral Light Sheet Fluorescence Imaging. **2023**, 57, 4533-4542 ○
- 90 Evaluation of chemotherapeutic retinoic acid effects on malignant cells using fluorescence spectroscopy with selective excitation wavelengths and machine learning. **2023**, ○
- 89 Copper Nanoclusters as an Effective Enzyme Inhibitor on the Activity Modulation of  $\alpha$ -Chymotrypsin. **2023**, 6, 4910-4924 ○
- 88 Biophysical Characterization and Interaction study of WhiB6 Protein of Mycobacterium tuberculosis with Nucleic Acid. ○
- 87 Aptamer-based Upconversion Fluorescence Sensor for Doxorubicin Detection. ○
- 86 A new pyridinium-substituted tetraphenylethylene aggregation induced emission composites for rare-earth free white light displays. **2023**, 33, 101036 ○
- 85 Photoactivatable BODIPYs for Live-Cell PALM. **2023**, 28, 2447 ○
- 84 Integration of a superconducting nanowire single-photon detector into a confocal microscope for time-resolved photoluminescence (TRPL)-mapping: Sensitivity and time resolution. **2023**, 94, 033703 ○
- 83 Polythiophene-g-poly(methacrylic acid) and perylene diimide appended peptide conjugates with tuneable photoluminescence, OMEIC, and photo-switching properties. **2023**, 11, 4808-4819 ○

- 82 Structural Insights into the Ligand- $\alpha$ srK Kinase Binding Mode: A Step Forward in the Discovery of Novel Antimicrobial Agents. **2023**, 28, 2542 ○
- 81 Serotonin-Derived Fluorophore: A Novel Fluorescent Biomaterial for Copper Detection in Urine. **2023**, 23, 3030 ○
- 80 Spectroscopic and Theoretical Analysis of the Interaction between Plasma Proteins and Phthalimide Analogs with Potential Medical Application. **2023**, 13, 760 ○
- 79 Intracellular Conformation of Amyotrophic Lateral Sclerosis-Causative TDP-43. **2023**, 24, 5513 ○
- 78 Unexpected Quasi-Axial Conformer in Thermally Activated Delayed Fluorescence DMAC-TRZ, Pushing Green OLEDs to Blue. 2300910 ○
- 77 A review on medicinally important heterocyclic compounds and importance of biophysical approach of underlying the insight mechanism in biological environment. 1-21 ○
- 76 Effect of Flow Rate and Ionic Strength on the Stabilities of YOYO-1 and YO-PRO-1 Intercalated in DNA Molecules. **2023**, 127, 2450-2456 ○
- 75 Single nanowire-based fluorescence lifetime thermometer for simultaneous measurement of intra- and extra-cellular temperatures. **2023**, 59, 4483-4486 ○
- 74 Role of Noncovalent Interactions in N,P-Functionalized Luminescent Carbon Dots for Ultrasensitive Detection of Moisture in D<sub>2</sub>O: Boosting Visible-NIR Light Sensitivity. **2023**, 15, 15907-15916 ○
- 73 Fluorescence Quantum Yield Standards for the UV/Visible/NIR: Development, Traceable Characterization, and Certification. **2023**, 95, 5671-5677 ○
- 72 Compressive time-resolved multispectral fluorescence microscopy with single-pixel camera. **2023**, ○
- 71 Characterization of a time-resolved spectral detector for spectral fluorescence lifetime imaging with the parallel 16-channel FastFLIM and the phasor analysis. **2023**, ○
- 70 Study of complexation of single-stranded poly(rA) and poly(rU) with methylene blue. 1-8 ○
- 69 Identifying cancer cell metabolic states in autofluorescence lifetime images with machine learning. **2023**, ○
- 68 Photonic Crystal Enhanced Fluorescence: A Review on Design Strategies and Applications. **2023**, 14, 668 1
- 67 Single-molecule acceptor rise time (smART) FRET for nanoscale distance sensitivity. ○
- 66 Solution and Solid-State Emissive Organophosphonates with High-Contrast Reversible Mechanofluorochromism: Beyond the Classical Frameworks. ○
- 65 Probing the interaction between niobium pentoxide nanoparticles and serum albumin proteins by Spectroscopic approaches. 1-11 ○

- 64 Differential Behavior of Eicosapentaenoic and Docosahexaenoic Acids on the Organization, Dynamics, and Fusion of Homogeneous and Heterogeneous Membranes. **2023**, 39, 4439-4449 ○
- 63 Interactions of N-Mannich Bases of Pyrrolo[3,4-c]pyrrole with Artificial Models of Cell Membranes and Plasma Proteins, Evaluation of Anti-Inflammatory and Antioxidant Activity. **2023**, 13, 349 ○
- 62 Hemin as a General Static Dark Quencher for Constructing Heme Oxygenase-1 Fluorescent Probes. ○
- 61 Probing Serum Albumins and Cyclodextrins as Binders of the Mycotoxin Metabolites Alternariol-3-Glucoside, Alternariol-9-Monomethylether-3-Glucoside, and Zearalenone-14-Glucuronide. **2023**, 13, 446 ○
- 60 Molecular Interaction of Pea Glutelin and Lipophilic Bioactive Compounds: Structure Binding Relationship and Nano-/Microcomplexation. **2023**, 71, 4957-4969 ○
- 59 Tuning anticancer properties and DNA-binding of Pt(ii) complexes via alteration of nitrogen softness/basicity of tridentate ligands. **2023**, 13, 9333-9346 ○
- 58 Reduction reactions at metal/non-aqueous interfaces can be sensed with the turn-on fluorophore resazurin. ○
- 57 Facile utility of felumin, a biological dye for the first fluorimetric determination of l-tetramisole drug through an on-off fluorescence strategy. **2023**, 13, 9361-9369 ○
- 56 Methods for Detecting Picric Acid: A Review of Recent Progress. **2023**, 13, 3991 ○
- 55 Fluorescence Methods for the Detection of Bioaerosols in Their Civil and Military Applications. **2023**, 23, 3339 ○
- 54 Enhanced Solid-State Fluorescence of Flavin Derivatives by Incorporation in the Metal-Organic Frameworks MIL-53(Al) and MOF-5. **2023**, 28, 2877 ○
- 53 The Effect of Dimethylsulfoxide (or Diethylsulfoxide) on Methylene Blue-Calf Thymus DNA Binding in Aqueous Solutions by Fluorescence Polarization and Steady-State Fluorescence Quenching. ○
- 52 Charge Injection and Energy Transfer of Surface-Engineered InP/ZnSe/ZnS Quantum Dots. **2023**, 13, 1159 ○
- 51 Synthesis, Solvatochromism and Fluorescence Quenching Studies of Naphthalene Diimide Dye by Nano graphene oxide. ○
- 50 Facile synthesis of non-modified yellow emission silicon quantum dots and their visualization of hydrogen sulfide in living cells and onion tissues. **2023**, 642, 145-153 ○
- 49 Controlled radical copolymerization of fluoroalkenes by using light-driven redox-relay catalysis. ○
- 48 Glutathione-Capped ZnS Quantum Dots-Urease Conjugate as a Highly Sensitive Urea Probe. ○
- 47 Detailed Experimental and In Silico Investigation of Indomethacin Binding with Human Serum Albumin Considering Primary and Secondary Binding Sites. **2023**, 28, 2979 ○

- 46 Computational based time-resolved multispectral fluorescence microscopy. **2023**, 8, 046110 ○
- 45 Toward the Next Frontiers of Vibrational Bioimaging. ○
- 44 Investigations of the Interaction Mechanism Between Orphenadrine Hydrochloride and Bovine Serum Albumin by Spectroscopic and Voltammetric Techniques. ○
- 43 FRETing about the details: Case studies in the use of a genetically encoded fluorescent amino acid for distance-dependent energy transfer. **2023**, 32, ○
- 42 Water-Soluble Polymer Polyethylene Glycol: Effect on the Bioluminescent Reaction of the Marine Coelenterate *Obelia* and Coelenteramide-Containing Fluorescent Protein. **2023**, 24, 6345 ○
- 41 High pressure treatment promotes the deteriorating effect of cationic antimicrobial peptides on bacterial membranes. ○
- 40 Facile synthesis of novel NNO-tethered copper(ii) complexes: characterization details, theoretical studies, promising enzyme-like activities, and biomolecular interactions. ○
- 39 Iron(III) Complexes with Non-Steroidal Anti-Inflammatory Drugs: Structure, Antioxidant and Anticholinergic Activity, and Interaction with Biomolecules. **2023**, 24, 6391 ○
- 38 How infrared and fluorescence spectroscopy can shed new light on the characterization of bitumen and its ageing processes. 1-12 ○
- 37 Water Quality Analysis Using Fluorescence Spectroscopy. **2022**, 73, 489-491 ○
- 36 Graphene Quantum Dots Derived from Honey and Mangostin as Sustainable Materials to Construct Fluorescence Turn-On Molecular Switches for Pesticide Detection. **2023**, 8, ○
- 35 Structure and Photosensitizer Ability of Polymethine Dyes in Photodynamic Therapy: A Review. **2023**, 58, 373-401 ○
- 34 Exploring the K<sup>+</sup> binding site and its coupling to transport in the neurotransmitter:sodium symporter LeuT. ○
- 33 Mitochondria-Directing Fluorogenic Probe: An Efficient Amyloid Marker for Imaging Lipid Metabolite-Induced Protein Aggregation in Live Cells and *Caenorhabditis elegans*. **2023**, 95, 6341-6350 ○
- 32 Effect of Isopropanol on the Fluorescence of Crude Oil-in-Water Dispersions. **2023**, 37, 5757-5765 ○
- 31 Relationship between non-photochemical quenching efficiency and the energy transfer rate from phycobilisomes to photosystem II. ○
- 30 Trimethyl Lock Quinone-Based Organic Molecular Probes for NQO1 Sensing and Imaging. **2023**, 11, 221 ○
- 29 Fluorescence of pyrene and its derivatives to reveal constituent and composition dependent solvation within hydrophobic deep eutectic solvents. ○

- 28 Deep Learning Enhanced Fast Fluorescence Lifetime Imaging with A Few Photons. ○
- 27 Interaction studies of Gut metabolite; Trimethylene amine Oxide with Bovine Serum Albumin through Spectroscopic, DFT and Molecular Docking Approach. ○
- 26 Synthesis, spectral, DFT calculation, antimicrobial, antioxidant, DNA/BSA binding and molecular docking studies of bio-pharmacologically active pyrimidine appended Cu(II) and Zn(II) complexes. 1-15 ○
- 25 Glycation reduces the binding dynamics of aflatoxin B1 to human serum albumin: a comprehensive spectroscopic and computational investigation. 1-15 ○
- 24 Amorphous Silica-Alumina-Catalyzed Alkene-Aromatic Alkylation of Cracked Naphtha: Cyclopentene Species as Precursors for Catalyst Deactivation. **2023**, 37, 5841-5852 ○
- 23 Organization of Cooperating Aluminum Pairs in Ferrierite Evidenced by Luminescence Quenching. **2023**, 127, 7344-7351 ○
- 22 DNA-Templated Silver Nanoclusters as Dual-Mode Sensitive Probes for Self-Powered Biosensor Fueled by Glucose. **2023**, 13, 1299 ○
- 21 Trypsin-Based Chemoenzymatic Assay for Detection of Pollutants and Safety Assessment of Food Additives. **2023**, 11, 237 ○
- 20 FRET Based Biosensor: Principle Applications Recent Advances and Challenges. **2023**, 13, 1375 ○
- 19 Poly-2-aminomethyl-3-(3,4-dihydroxyphenyl)propionamide: From Structure to Proprieties. ○
- 18 Difference in Catalytic Loop Repositioning Leads to GMP Variation between Two Human GBP Homologues. ○
- 17 Dual-Emissive Carbon Dots: Exploring Their Fluorescence Properties for Sensitive Turn-Off On Recognition of Ferric and Pyrophosphate Ions and Its Application in Fluorometric Detection of the Loop-Mediated Isothermal Amplification Reaction. ○
- 16 Study of the Binding of Cuminaldehyde with Bovine Serum Albumin by Spectroscopic and Molecular Modeling Methods. **2023**, 2023, 1-11 ○
- 15 2D-IR Spectroscopy of Nitrosyl Stretch of Sodium Nitroprusside Reveals the Elusive Two Anomalous Regions in the DMSO/Water Mixture. ○
- 14 Steric hindrance, ligand ejection and associated photocytotoxic properties of ruthenium(II) polypyridyl complexes. ○
- 13 Efficiency scale for scattering luminescent particles linked to fundamental and measurable spectroscopic properties. **2023**, 13, ○
- 12 Bacterial outer membrane vesicles-cloaked modified zein nanoparticles for oral delivery of paclitaxel. 1-40 ○
- 11 Machine learning for optical chemical multi-analyte imaging. ○

- 10 Light-Driven Reduction of CO<sub>2</sub> to CO in Water with a Cobalt Molecular Catalyst and an Organic Sensitizer. 5979-5985 ○
- 9 Synthesis and Spectroscopic Properties of Selenophene[3, 2-b]-Fused BODIPYs. ○
- 8 Analysis of the Binding Mechanism of Bioactive Coumarins with Ovalbumin: Further Investigation into the Inhibitory Effects toward Protein Fibrillation. ○
- 7 Copper(II)/diiminic complexes based on 2-hydroxybenzophenones: DNA- and BSA-binding studies and antitumor activity against HCT116 and HepG2 tumor cells. **2023**, 116431 ○
- 6 Development of quinazolinone and vanillin acrylamide hybrids as multi-target directed ligands against Alzheimer's disease and mechanistic insights into their binding with acetylcholinesterase. 1-18 ○
- 5 Molecular interactions and binding dynamics of Alpelisib with serum albumins: insights from multi-spectroscopic techniques and molecular docking. 1-17 ○
- 4 Visualizing the disordered nuclear transport machinery in situ. **2023**, 617, 162-169 ○
- 3 Interaction of Fumonisin B1, N-Palmitoyl-Fumonisin B1, 5-O-Palmitoyl-Fumonisin B1, and Fumonisin B4 Mycotoxins with Human Serum Albumin and Their Toxic Impacts on Zebrafish Embryos. **2023**, 13, 755 ○
- 2 Molecular Insights on the Modulated Acetylcholinesterase Inhibition Activity of Tacrine Adsorbed on Biocompatible Graphene Oxide. **2023**, 8, ○
- 1 Ultrafast Photoinduced Dynamics of Quaterthiophene-Squaraine Hybrid Aggregates. ○