CITATION REPORT List of articles citing

The renaissance of fluorescence resonance energy transfer

DOI: 10.1038/78948 Nature Structural Biology, 2000, 7, 730-4.

Source: https://exaly.com/paper-pdf/31430361/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
826	Ratiometric single-molecule studies of freely diffusing biomolecules. 2001 , 52, 233-53		186
825	Mean DNA bend angle and distribution of DNA bend angles in the CAP-DNA complex in solution. 2001 , 312, 453-68		49
824	Structural dynamics of catalytic RNA highlighted by fluorescence resonance energy transfer. 2001 , 25, 19-30		64
823	Single-molecule fluorescence resonance energy transfer. 2001 , 25, 78-86		453
822	Calculation of rigid-body conformational changes using restraint-driven Cartesian transformations. 2001 , 81, 2530-46		20
821	Single molecule research on surfaces: from analytics to construction and back. 2001 , 82, 3-24		5
820	Nuclear receptors, coactivators and chromatin: new approaches, new insights. 2001 , 12, 191-7		59
819	Site-specific incorporation of fluorescent probes into protein: hexahistidine-tag-mediated fluorescent labeling with (Ni(2+):nitrilotriacetic Acid (n)-fluorochrome conjugates. 2001 , 123, 12123-5		170
818	Detection of multiple protein conformational ensembles in solution via deconvolution of charge-state distributions in ESI MS. 2001 , 73, 4763-73		216
817	Analyzing single protein molecules using optical methods. 2001 , 12, 382-6		27
816	Homogeneous time resolved fluorescence resonance energy transfer using rare earth cryptates as a tool for probing molecular interactions in biology. 2001 , 57, 2197-211		103
815	Application of fluorescence resonance energy transfer to analyze carbohydrates. 2001 , 297, 117-22		19
814	Single-Molecule FRET. 2001 , 2, 283-284		8
813	Dynamic protein interactions in the bacteriophage T4 replisome. 2001 , 26, 566-72		26
812	Single-molecule fluorescence methods for the study of nucleic acids. 2001 , 11, 287-92		114
811	Visualization of in vivo direct interaction between HIV-1 TAT and human cyclin T1 in specific subcellular compartments by fluorescence resonance energy transfer. 2001 , 276, 39220-5		50
810	Lipid rafts act as specialized domains for tetanus toxin binding and internalization into neurons. 2001 , 12, 2947-60		142

(2002-2001)

809	Novel diode laser-compatible fluorophores and their application to single molecule detection, protein labeling and fluorescence resonance energy transfer immunoassay. 2001 , 74, 237-45	30
808	Genetic analysis of digestive physiology using fluorescent phospholipid reporters. 2001 , 292, 1385-8	272
807	Holding two heads together: stability of the myosin II rod measured by resonance energy transfer between the heads. 2002 , 99, 6011-6	31
806	Engineering a terbium-binding site into an integral membrane protein for luminescence energy transfer. 2002 , 99, 3487-92	53
805	A protease assay for two-photon crosscorrelation and FRET analysis based solely on fluorescent proteins. 2002 , 99, 12161-6	117
804	Receptor sensitivity in bacterial chemotaxis. 2002 , 99, 123-7	396
803	Coordination of the two heads of myosin during muscle contraction. 2002 , 99, 14801-6	9
802	Homomultimerization of the coxsackievirus 2B protein in living cells visualized by fluorescence resonance energy transfer microscopy. 2002 , 76, 9446-56	46
801	A novel strategy to engineer functional fluorescent inhibitory G-protein alpha subunits. 2002 , 277, 28803-9	20
800	A new class of homogeneous nucleic acid probes based on specific displacement hybridization. 2002 , 30, E5	226
799	Phosphorylation-induced conformational changes in a mitogen-activated protein kinase substrate. Implications for tyrosine hydroxylase activation. 2002 , 277, 47653-61	26
798	Investigating ion channels using computational methods. 2002 , 255-273	O
797	Biomolecular recognition on well-characterized beads packed in microfluidic channels. 2002, 74, 1149-56	64
796	Fluorescent probes for cytochrome p450 structural characterization and inhibitor screening. 2002 , 124, 10254-5	30
795	Principles and biophysical applications of lanthanide-based probes. 2002 , 31, 275-302	470
794	Diheteroarylethenes as thermally stable photoswitchable acceptors in photochromic fluorescence resonance energy transfer (pcFRET). 2002 , 124, 7481-9	345
793	Fluorescent probes and bioconjugation chemistries for single-molecule fluorescence analysis of biomolecules. 2002 , 117, 10953-10964	128
792	Effects of fast neutrons on chromatin: dependence on chromatin structure. 2002 , 80, 625-8	1

791	Structural organization of bacterial RNA polymerase holoenzyme and the RNA polymerase-promoter open complex. 2002 , 108, 599-614	243
790	Picosecond-hetero-FRET microscopy to probe protein-protein interactions in live cells. 2002 , 83, 3570-7	120
789	Effective lattice behavior of fluorescence energy transfer at lamellar macromolecular interfaces. 2002 , 82, 988-95	9
788	Measurement of changes in fluorescence resonance energy transfer between gonadotropin-releasing hormone receptors in response to agonists. 2002 , 27, 333-9	14
787	Monitoring receptor-mediated activation of heterotrimeric G-proteins by fluorescence resonance energy transfer. 2002 , 27, 366-73	18
786	Applications of novel resonance energy transfer techniques to study dynamic hormone receptor interactions in living cells. 2002 , 13, 415-21	93
785	Fluorescence resonance energy transfer (FRET) and competing processes in donor-acceptor substituted DNA strands: a comparative study of ensemble and single-molecule data. 2002 , 82, 211-31	110
7 ⁸ 4	Time resolved amplification of cryptate emission: a versatile technology to trace biomolecular interactions. 2002 , 82, 233-50	80
783	Observing structure, function and assembly of single proteins by AFM. 2002 , 79, 1-43	138
782	Studies of biomolecular conformations and conformational dynamics by mass spectrometry. 2002 , 21, 37-71	225
781	In the fluorescent spotlight: global and local conformational changes of small catalytic RNAs. 2001 , 61, 224-42	52
78o	Imaging immune surveillance by T cells and NK cells. 2002 , 189, 179-92	23
779	Measuring protein conformational changes by FRET/LRET. 2002 , 13, 292-6	191
778	Single-molecule fluorescence of nucleic acids. 2002 , 6, 823-8	16
777	Detection of Phosphate Ion and Protein Phosphorylation © Crystal Surfaces, Ionophore Monolayers, and Protein Interactions. 2002 , 2, 233-245	4
776	Single-molecule spectroscopy and microscopy. 2002 , 3, 619-644	51
775	A photochromic acceptor as a reversible light-driven switch in fluorescence resonance energy transfer (FRET). 2002 , 150, 177-185	51
774	Pulsed fluorescence measurements of trapped molecular ions with zero background detection. 2002 , 13, 696-708	61

(2003-2002)

773	Fluorescent indicators for imaging protein phosphorylation in single living cells. 2002 , 20, 287-94	247
772	A novel PKC-regulated mechanism controls CD44 ezrin association and directional cell motility. 2002 , 4, 399-407	201
771	On-column tris(2-carboxyethyl)phosphine reduction and IC5-maleimide labeling during purification of a RpoC fragment on a nickel-nitrilotriacetic acid Column. 2002 , 307, 368-74	13
770	Imaging protein-protein interactions in living cells. 2002 , 50, 871-83	106
769	New technologies: bioluminescence resonance energy transfer (BRET) for the detection of real time interactions involving G-protein coupled receptors. 2003 , 6, 141-51	38
768	Recruitment of human cyclin T1 to nuclear bodies through direct interaction with the PML protein. 2003 , 22, 2156-66	55
767	Single-molecule folding. 2003 , 13, 88-97	207
766	Pyrenemethyl ara-uridine-2'-carbamate: a strong interstrand excimer in the major groove of a DNA duplex. 2003 , 4, 841-7	54
765	Lanthanide-binding tags as versatile protein coexpression probes. 2003, 4, 265-71	137
764	Homogeneous assay for biotin based on Aequorea victoria bioluminescence resonance energy transfer system. 2003 , 313, 68-75	24
763	Crown ether lanthanide complexes as building blocks for luminescent ternary complexes. 2003, 22, 745-754	25
762	Fraying and electron autodetachment dynamics of trapped gas phase oligonucleotides. 2003 , 14, 1330-9	35
761	FRET measurements of trapped oligonucleotide duplexes. 2003 , 229, 35-45	74
760	Seeing what was unseen: new analytical methods for molecular imaging. 2003 , 3, 22-8	5
759	Acid-induced denaturation of cellular retinol-binding proteins types I and II studied by electrospray mass spectrometry. 2003 , 17, 2773-80	2
75 ⁸	Homo-FRET versus hetero-FRET to probe homodimers in living cells. 2003 , 360, 580-97	41
757	Kinetics of unfolding the human telomeric DNA quadruplex using a PNA trap. 2003, 125, 3763-7	91
756	Two-step FRET as a structural tool. 2003 , 125, 7336-43	122

755	Site-specific attachment of reporter compounds to recombinant histones. 2004 , 375, 211-28	8
754	Enhancing and Quenching Functions of Silver Nanoparticles on the Luminescent Properties of Europium Complex in the Solution Phase. 2003 , 107, 9161-9164	116
753	Stable lanthanide luminescence agents highly emissive in aqueous solution: multidentate 2-hydroxyisophthalamide complexes of $Sm(3+)$, $Eu(3+)$, $Tb(3+)$, $Dy(3+)$. 2003 , 125, 13324-5	404
75 ²	Excitonic heterodimer formation in an HIV-1 oligonucleotide labeled with a donor-acceptor pair used for fluorescence resonance energy transfer. 2003 , 84, 643-54	30
751	Fluorescence resonance energy transfer (FRET) in analysis of transcription-complex structure and function. 2003 , 371, 144-59	36
750	Epicocconone, a novel fluorescent compound from the fungus epicoccumnigrum. 2003, 125, 9304-5	116
749	The ATP-waiting conformation of rotating F1-ATPase revealed by single-pair fluorescence resonance energy transfer. 2003 , 100, 9314-8	93
748	Luminescence resonance energy transfer-based high-throughput screening assay for inhibitors of essential protein-protein interactions in bacterial RNA polymerase. 2003 , 69, 1492-8	38
747	Time-resolved fluorescence resonance energy transfer assay for point-of-care testing of urinary albumin. 2003 , 49, 1105-13	49
746	Spectroscopic approach for monitoring two-photon excited fluorescence resonance energy transfer from homodimers at the subcellular level. 2003 , 8, 357-61	12
745	Quantitative imaging of protein-protein interactions by multiphoton fluorescence lifetime imaging microscopy using a streak camera. 2003 , 8, 362-7	70
744	Homodimerization of neuropeptide y receptors investigated by fluorescence resonance energy transfer in living cells. 2003 , 278, 10562-71	102
743	Resonant enhancement and dissipation in nonequilibrium van der Waals forces. 2003, 91, 233202	42
742	Studies on the structure and dynamics of the human telomeric G quadruplex by single-molecule fluorescence resonance energy transfer. 2003 , 100, 14629-34	266
741	Fluorescence resonant energy transfer in the optical near field. 2003, 67,	16
740	Detection, differentiation, and quantitation of pathogenic leishmania organisms by a fluorescence resonance energy transfer-based real-time PCR assay. 2003 , 41, 1529-35	89
739	Revealing competitive Forster-type resonance energy-transfer pathways in single bichromophoric molecules. 2003 , 100, 13146-51	152
738	Single-molecule fluorescence spectroscopy of biomolecular folding. 2003 , 15, R1291-R1317	58

(2004-2003)

737	Fluorescence resonance energy transfer in the study of cancer pathways. 2003 , 15, 55-64	39
736	Development of a multiphoton fluorescence lifetime imaging microscopy system using a streak camera. 2003 , 74, 2714-2721	77
735	Site-specific fluorescent labeling of estrogen receptors and structure-activity relationships of ligands in terms of receptor dimer stability. 2003 , 364, 37-53	11
734	Ratio imaging instrumentation. 2003 , 72, 389-413	12
733	Fluorescence resonance energy transfer: techniques for measuring molecular conformation and molecular proximity. 2003 , Chapter 18, Unit 18.10	15
732	Optically nonlinear energy transfer in light-harvesting dendrimers. 2004 , 121, 2445-54	32
731	Picometer-scale dynamical observations of individual membrane proteins: the case of bacteriorhodopsin. 2004 , 70, 021917	19
730	Functional analysis of multiple single-stranded DNA-binding proteins from Methanosarcina acetivorans and their effects on DNA synthesis by DNA polymerase BI. 2004 , 279, 6315-26	36
729	Subnuclear distribution of the largest subunit of the human origin recognition complex during the cell cycle. 2004 , 117, 5221-31	44
728	Rapid detection and differentiation of human pathogenic orthopox viruses by a fluorescence resonance energy transfer real-time PCR assay. 2004 , 50, 702-8	44
727	Single-molecule high-resolution imaging with photobleaching. 2004 , 101, 6462-5	306
726	Protein patterns at lipid bilayer junctions. 2004 , 101, 12798-803	44
725	Integrating dual-color imaging capability into a monochromator. 2004 , 75, 266-269	4
724	Picosecond time-resolved microspectrofluorometry in live cells exemplified by complex fluorescence dynamics of popular probes ethidium and cyan fluorescent protein. 2004 , 213, 110-8	21
723	Optical techniques for imaging membrane topography. 2004 , 41, 391-414	48
722	Development of a novel optical bionanosensor. 2004 , 19, 1505-11	18
721	Biological applications of cryogenic detectors. 2004 , 520, 621-624	1
720	Noise reduction in single-molecule fluorescence trajectories of folding proteins. 2004 , 307, 137-145	35

719	Quantum chemistry-based interpretations on the lowest triplet state of luminescent lanthanides complexes. Part 1. Relation between the triplet state energy of hydroxamate complexes and their luminescence properties. 2004 , 1334-47	138
718	Spectroscopic study of fast-neutron-irradiated chromatin. 2004 , 82, 79-83	2
717	Freely diffusing single hairpin ribozymes provide insights into the role of secondary structure and partially folded states in RNA folding. 2004 , 87, 457-67	45
716	Single-molecule three-color FRET. 2004 , 87, 1328-37	275
715	Mechanical processes in biochemistry. 2004 , 73, 705-48	625
714	Nuclear organization and the control of HIV-1 transcription. 2004 , 326, 1-11	42
713	Transactivation of erbB2 by short and long isoforms of leptin receptors. 2004 , 565, 139-42	36
712	Antibacterial peptide microcin J25 inhibits transcription by binding within and obstructing the RNA polymerase secondary channel. 2004 , 14, 739-51	173
711	Probing single-stranded DNA conformational flexibility using fluorescence spectroscopy. 2004 , 86, 2530-7	479
710	Large-scale homogeneous molecular templates for femtosecond time-resolved studies of the guest-host interaction. 2004 , 112, 139-49	6
709	Colocalization and FRET-analysis of subunits c and a of the vacuolar H+-ATPase in living plant cells. 2004 , 112, 165-75	52
708	Cytometry of fluorescence resonance energy transfer. 2004 , 75, 105-52	25
707	Development of luminescent Sm(III) chelates containing hexadentate to nonadentate ligands: synthesis, photophysical properties and coupling to biomolecules. 2005 , 113, 17-26	26
706	Development of fluorescence change-based, reagent-less optic immunosensor. 2005 , 20, 1680-4	34
705	Optimization of fluorescence response in the design of molecular biosensors. 2005 , 343, 1-22	108
704	Study of energy transfer from 7-amino coumarin donors to rhodamine 6G acceptor in non-aqueous reverse micelles. 2005 , 401, 546-552	78
703	Protein-protein interactions as a tool for site-specific labeling of proteins. 2005 , 14, 2059-68	37
702	Quantum dots: DNA detectives. 2005 , 4, 797-8	46

(2005-2005)

701	Small vertical movement of a K+ channel voltage sensor measured with luminescence energy transfer. 2005 , 436, 848-51	169
700	Flow cytometric analysis of CFPMFP FRET as a marker for in vivo proteinprotein interaction. 2005 , 5, 307-324	5
699	Macromolecular complexes of cystic fibrosis transmembrane conductance regulator and its interacting partners. 2005 , 108, 208-23	104
698	Three-color single-molecule fluorescence resonance energy transfer. 2005 , 6, 74-7	95
697	Single-molecule fluorescence spectroscopy of protein folding. 2005 , 6, 1206-20	139
696	High-resolution colocalization of single molecules within the resolution gap of far-field microscopy. 2005 , 6, 949-55	22
695	Selecting the right fluorophores and flow cytometer for fluorescence resonance energy transfer measurements. 2005 , 65, 148-57	38
694	Luminescent saccharide biosensor by using lanthanide-bound lectin labeled with fluorescein. 2005 , 6, 1349-52	21
693	Dual-channel photobleaching FRET microscopy for improved resolution of protein association states in living cells. 2005 , 34, 82-90	16
692	Rapid Combinatorial Screening of Peptide Libraries for the Selection of Lanthanide-Binding Tags (LBTs). 2005 , 24, 1149-1157	43
691	Insights on HIV-1 Tat:P/CAF bromodomain molecular recognition from in vivo experiments and molecular dynamics simulations. 2006 , 62, 1062-73	12
690	Fluorescent Biomolecules. 2005 , 222-235	4
689	A microscopic view of miniprotein folding: enhanced folding efficiency through formation of an intermediate. 2005 , 102, 16650-5	167
688	The euryarchaeota, nature's medium for engineering of single-stranded DNA-binding proteins. 2005 , 280, 15325-39	34
687	Monitoring the formation of dynamic G-protein-coupled receptor-protein complexes in living cells. 2005 , 385, 625-37	133
686	Insulin receptor (IR) and glucose transporter 2 (GLUT2) proteins form a complex on the rat hepatocyte membrane. 2005 , 15, 51-8	38
685	Polyproline and the "spectroscopic ruler" revisited with single-molecule fluorescence. 2005 , 102, 2754-9	382
684	Extreme conformational diversity in human telomeric DNA. 2005 , 102, 18938-43	219

683	Kinetic and molecular analysis of nuclear export factor CRM1 association with its cargo in vivo. 2005 , 25, 728-39	55
682	Tracking the interactions of rRNA processing proteins during nucleolar assembly in living cells. 2005 , 16, 2862-71	64
681	Making sense of lanthanide luminescence. 2005 , 88, 101-31	165
680	Atom-wall interaction. 2005, 91-154	51
679	Surfaces and orientations: much to FRET about?. 2005 , 38, 542-8	131
678	Engineering Antibodies for Biosensor Technologies. 2005 , 58C, 185-226	13
677	Following FRET through five energy transfer steps: spectroscopic photobleaching, recovery of spectra, and a sequential mechanism of FRET. 2005 , 4, 609-16	15
676	Synthesis of a new pair of fluorescence resonance energy transfer donor and acceptor dyes and its use in a protease assay. 2005 , 5459-61	39
675	Mechanism of reversible fluorescent staining of protein with epicocconone. 2005, 7, 2401-4	67
674	Design, microwave-assisted synthesis, and photophysical properties of small molecule organic antennas for luminescence resonance energy transfer. 2005 , 7, 279-84	21
673	Orientation control of fluorescence resonance energy transfer using DNA as a helical scaffold. 2005 , 127, 10002-3	73
672	A computational study of the correlations between structure and dynamics in free and surface-immobilized single polymer chains. 2005 , 109, 16340-9	10
671	On the use of nonfluorescent dye labeled ligands in FRET-based receptor binding studies. 2005 , 48, 7847-59	26
670	Fluorescence-lifetime-based tomography for turbid media. 2005 , 30, 3347-9	62
669	Lanthanide-based luminescent assays for ligand-receptor interactions. 2005 , 77, 361-71	81
668	The significance of lipid composition for membrane activity: new concepts and ways of assessing function. 2005 , 44, 303-44	173
667	Multiphoton-FLIM quantification of the EGFP-mRFP1 FRET pair for localization of membrane receptor-kinase interactions. 2005 , 88, 1224-37	174
666	Distance-restrained docking of rifampicin and rifamycin SV to RNA polymerase using systematic FRET measurements: developing benchmarks of model quality and reliability. 2005 , 88, 925-38	40

(2006-2005)

665	benzenedicarboxylates, [M(NO3)M2(C12H8N2)2][(C8H4O4)4][H2O, (M = La, Pr), possessing infinite MDM linkages. 2005 , 15, 4588	61
664	Accurate FRET measurements within single diffusing biomolecules using alternating-laser excitation. 2005 , 88, 2939-53	346
663	Cross talk free fluorescence cross correlation spectroscopy in live cells. 2005 , 89, 2069-76	52
662	A flexible approach to the calculation of resonance energy transfer efficiency between multiple donors and acceptors in complex geometries. 2005 , 89, 3822-36	76
661	Time-resolved fluorescence microscopy. 2005 , 4, 13-22	425
660	Progress in Lanthanides as Luminescent Probes. 2005 , 399-431	7
659	Dimerization of corticotropin-releasing factor receptor type 1 is not coupled to ligand binding. 2005 , 25, 251-76	38
658	One-step homogeneous immunoassay for small analytes. 2005 , 77, 2637-42	73
657	Action cross sections of two-photon excited luminescence of some Eu(III) and Tb(III) complexes. 2005 , 4, 531-8	128
656	Single-molecule chemical reactions: reexamination of the Kramers approach. 2005 , 72, 025101	18
655	Lanthanide-binding tags as luminescent probes for studying protein interactions. 2006, 128, 7346-52	118
654	Initial transcription by RNA polymerase proceeds through a DNA-scrunching mechanism. 2006 , 314, 1144-7	340
653	Biosensing using lipid bilayers suspended on porous silicon. 2006 , 22, 7078-83	69
652	Conformational heterogeneity in RNA polymerase observed by single-pair FRET microscopy. 2006 , 90, 4605-17	35
651	The visible touch: in planta visualization of protein-protein interactions by fluorophore-based methods. 2006 , 2, 12	88
650	Single-molecule detection and identification of multiple species by multiparameter fluorescence detection. 2006 , 78, 2039-50	176
649	Determination of the fraction and stoichiometry of femtomolar levels of biomolecular complexes in an excess of monomer using single-molecule, two-color coincidence detection. 2006 , 78, 7707-15	63
648	Time resolved fluorescence tomography of turbid media based on lifetime contrast. 2006 , 14, 12255-70	75

647	Local heating of discrete droplets using magnetic porous silicon-based photonic crystals. 2006 , 128, 7938-46	53
646	Single-molecule biology: what is it and how does it work?. 2006 , 24, 317-29	70
645	Principles of two-photon excitation microscopy and its applications to neuroscience. 2006 , 50, 823-39	737
644	Illuminating insights into protein-protein interactions using bioluminescence resonance energy transfer (BRET). 2006 , 3, 165-74	439
643	FRET analysis of protein conformational change through position-specific incorporation of fluorescent amino acids. 2006 , 3, 923-9	143
642	Large movement in the C terminus of CLC-0 chloride channel during slow gating. 2006, 13, 1115-9	84
641	A Fister-resonance-energy transfer-based method for fluorescence detection of the protein redox state. 2006 , 350, 52-60	41
640	Measurement of heterotrimeric G-protein and regulators of G-protein signaling interactions by time-resolved fluorescence resonance energy transfer. 2006 , 355, 201-12	21
639	Urea hydrogen peroxide determination in whole blood using europium tetracycline probe. 2006 , 355, 140-4	17
638	A miniaturized cell-based fluorescence resonance energy transfer assay for insulin-receptor activation. 2006 , 355, 267-77	10
637	Time-resolved fluorescence resonance energy transfer kinase assays using physiological protein substrates: applications of terbium-fluorescein and terbium-green fluorescent protein fluorescence resonance energy transfer pairs. 2006 , 356, 108-16	54
636	Development of an open sandwich fluoroimmunoassay based on fluorescence resonance energy transfer. 2006 , 358, 31-7	57
635	Fluorescence detection of hydroxyl radicals. 2006 , 75, 473-478	99
634	Electrical and optical properties of colloidal semiconductor nanocrystals in aqueous environments. 2006 , 40, 38-44	17
633	The interplay between molecular orientation, film morphology and luminescence properties of tetracene thin films on epitaxial AlOx/Ni3Al(111). 2006 , 600, 4679-4689	10
632	Intramolecular trap formation and FEster energy transfer in the hexapyropheophorbide-a molecular system. 2006 , 16, 1633-1642	
631	Luminescence quenching of Eu(III) carboxylates by Cu(II) in a composite polymer xerogel film. 2006 , 82, 43-9	8
630	Site-specific labeling of proteins for single-molecule FRET by combining chemical and enzymatic modification. 2006 , 15, 640-6	50

(2007-2006)

629	Quenchers induce wavelength dependence on protein fluorescence lifetimes. <i>Journal of Fluorescence</i> , 2006 , 16, 595-609	2.4	11
628	Optical technologies for the read out and quality control of DNA and protein microarrays. 2006 , 385, 500-17		80
627	Imaging spatiotemporal dynamics of neuronal signaling using fluorescence resonance energy transfer and fluorescence lifetime imaging microscopy. 2006 , 16, 551-61		112
626	Monitoring protein interactions in the living cell through the fluorescence decays of the cyan fluorescent protein. 2006 , 7, 1442-54		44
625	Shine on proteins. 2006 , 69, 149-51		2
624	High mobility group box 1 protein interacts with multiple Toll-like receptors. 2006 , 290, C917-24		707
623	Arabidopsis tubulin folding cofactor B interacts with alpha-tubulin in vivo. 2006, 47, 1406-11		12
622	Fluorescence resonance energy transfer analysis of mitochondrial:lipid association in the porcine oocyte. 2006 , 132, 829-37		132
621	Time-domain fluorescent plate reader for cell based protein-protein interaction and protein conformation assays. 2006 , 11, 054024		12
620	A Novel Developed Detection and Analysis Method of DNA Microarray Hybridization Using FRET technique. 2007 ,		
619	A B23-interacting sequence as a tool to visualize protein interactions in a cellular context. 2007 , 120, 265-75		36
618	Optical Biosensing Based on Metal and Semiconductor Colloidal Nanocrystals. 2007,		1
617	Fluorescent resonant energy transfer: correlated fluctuations of donor and acceptor. 2007 , 127, 22110	1	7
616	8 Reporter Genes and Their Uses in Studying Yeast Gene Expression. 2007 , 36, 165-188		1
615	Resonance energy transfer: spectral overlap, efficiency, and direction. 2007, 127, 084509		26
614	Enhanced chemiluminescent resonance energy transfer in hollow calcium phosphate nanoreactors and the detection of hydrogen peroxide. 2007 , 18, 295707		21
613	Single-molecule fluorescence analysis of cellular nanomachinery components. 2007 , 36, 371-94		12
612	Probing polyproline structure and dynamics by photoinduced electron transfer provides evidence for deviations from a regular polyproline type II helix. 2007 , 104, 17400-5		107

611	Generalization of the Forster resonance energy transfer theory for quantum mechanical modulation of the donor-acceptor coupling. 2007 , 127, 174710	50
610	Visualization of galectin-3 oligomerization on the surface of neutrophils and endothelial cells using fluorescence resonance energy transfer. 2007 , 282, 1374-83	176
609	Activation of glycogen synthase kinase 3beta promotes the intermolecular association of tau. The use of fluorescence resonance energy transfer microscopy. 2007 , 282, 23410-7	26
608	Distinct mechanisms for Ctr1-mediated copper and cisplatin transport. 2007 , 282, 26775-26785	81
607	Development of New Methods to Introduce Unnatural Functional Molecules into Native Proteins for Protein Engineering. 2007 , 80, 1268-1279	7
606	Homebuilt single-molecule scanning confocal fluorescence microscope studies of single DNA/protein interactions. 2007 , 41, 342-52	8
605	Spectrally and spatially resolved fluorescence lifetime imaging in living cells: TRPV4-microfilament interactions. 2007 , 463, 27-36	47
604	Conformational dynamics in the F/G segment of CYP51 from Mycobacterium tuberculosis monitored by FRET. 2007 , 464, 221-7	11
603	Scavenger receptor class B, type I (SR-BI) homo-dimerizes via its C-terminal region: fluorescence resonance energy transfer analysis. 2007 , 1771, 818-29	32
602	Observation of intersubunit movement of the ribosome in solution using FRET. 2007 , 370, 530-40	165
601	Chapter 7 Single-Molecule Fluorescence Microscopy and its Applications to Single-Molecule Sequencing by Cyclic Synthesis. 2007 , 209-244	
600	LRET-based HTS of a small-compound library for inhibitors of bacterial RNA polymerase. 2007 , 5, 759-68	11
599	Multicolor single-molecule spectroscopy with alternating laser excitation for the investigation of interactions and dynamics. 2007 , 111, 321-6	43
598	Measuring conformational dynamics: a new FCS-FRET approach. 2007 , 111, 7392-400	103
597	A 10-A spectroscopic ruler applied to short polyprolines. 2007 , 129, 9762-72	83
596	Optimized threshold selection for single-molecule two-color fluorescence coincidence spectroscopy. 2007 , 79, 2771-7	24
595	Fluorescence properties and photophysics of the sulfoindocyanine Cy3 linked covalently to DNA. 2007 , 111, 11064-74	218
594	Analysis of cationic-lipid-plasmid-DNA complexes. 2007 , 79, 7240-8	19

(2007-2007)

593	Computational study of a single surface-immobilized two-stranded coiled-coil polypeptide. 2007 , 111, 4178-88	4
592	An exchange-free measure of 15N transverse relaxation: an NMR spectroscopy application to the study of a folding intermediate with pervasive chemical exchange. 2007 , 129, 11468-79	52
591	Three-color alternating-laser excitation of single molecules: monitoring multiple interactions and distances. 2007 , 92, 303-12	161
590	Single-molecule studies of complex systems: the replisome. 2007 , 3, 117-25	18
589	A new series of three-dimensional metal-organic framework, [M2(H2O)][C5N1H3(COO)2]3.2H2O, M = La, Pr, and Nd: synthesis, structure, and properties. 2007 , 46, 1250-8	111
588	Synthesis, structure and optical properties of rare-earth benzene carboxylates. 2007 , 4017-26	59
587	Fluorescence microscopy. 658-682	
586	Selective labeling of proteins by using protein farnesyltransferase. 2007 , 8, 98-105	100
585	Two-photon lifetime imaging of fluorescent probes in intact blood vessels: a window to sub-cellular structural information and binding status. 2007 , 70, 467-75	10
584	Synthesis, photoluminescence and bioconjugation of rare-earth (Eu) complexes-embedded silica nanoparticles. 2007 , 142, 689-693	13
583	Single molecule FRET for the study on structural dynamics of biomolecules. 2007 , 88, 243-50	14
582	FEster energy transfer from nonexponentially decaying donors. 2007, 87, 200-8	5
581	Fluorescence resonance energy transfer between laser dyes in saponite dispersions. 2007 , 187, 160-166	17
580	Fluorescence resonance energy transfer in dye-labeled DNA. 2007 , 190, 321-327	38
579	Decay time shortening of fluorescence from donor ceptor pair proteins using ultrafast time-resolved fluorescence resonance energy transfer spectroscopy. 2007 , 127, 355-361	5
578	Single molecule fluorescence detection of BODIPY-FL molecules for monitoring protein synthesis. 2007 , 127, 264-268	11
577	Fluorescence-emission control of single CdSe nanocrystals using gold-modified AFM tips. 2007 , 3, 44-9	28
576	Monomeric red fluorescent protein as a reporter for macromolecular localization in Streptomyces coelicolor. 2007 , 58, 167-73	6

575	Novel Diode Laser-compatible Fluorophores and Their Application to Single Molecule Detection, Protein Labeling and Fluorescence Resonance Energy Transfer Immunoassay. 2007 , 74, 237-245	3
574	High-precision FLIM-FRET in fixed and living cells reveals heterogeneity in a simple CFP-YFP fusion protein. 2007 , 127, 155-64	51
573	Time-resolved spectroscopy and fluorescence resonance energy transfer in the study of excimer laser damage of chromatin. 2007 , 580, 591-593	2
57 ²	Expedient placement of two fluorescent dyes for investigating dynamic DNA protein interactions in real time. 2008 , 16, 451-67	8
571	Analysis of membrane-localized binding kinetics with FRAP. 2008, 37, 627-38	14
570	Fluorescence and bioluminescence procedures for functional proteomics. 2008 , 8, 1179-96	28
569	Resin-bound aminofluorescein for C-terminal labeling of peptides: high-affinity polarization probes binding to polyproline-specific GYF domains. 2008 , 9, 2452-62	13
568	Trilinear analysis of images obtained with a hyperspectral imaging confocal microscope. 2008 , 22, 491-499	10
567	Pillaring of CdCl2-like layers in lanthanide metal-organic frameworks: synthesis, structure, and photophysical properties. 2008 , 14, 5839-50	96
566	Sequence-based identification of specific drug target regions in the thymidylate synthase enzyme family. 2008 , 3, 392-401	11
565	Fluorescence resonance energy transfer between two cationic laser dyes in presence of the series of reduced-charge montmorillonites: effect of the layer charge. 2008 , 320, 140-51	29
564	Study of interaction of proton transfer probe 1-hydroxy-2-naphthaldehyde with serum albumins: a spectroscopic study. 2008 , 91, 1-8	30
563	Applications of dual-color fluorescence cross-correlation spectroscopy in antibody binding studies. 2008 , 374, 182-95	25
562	Energy transfer studies in dye mixtures in different solvent environments. 2008, 40, 953-957	17
561	G-quadruplex structure: a target for anticancer therapy and a probe for detection of potassium. 2008 , 73, 853-61	12
560	Cell-surface protein-protein interaction analysis with time-resolved FRET and snap-tag technologies: application to GPCR oligomerization. 2008 , 5, 561-7	416
559	A time domain fluorescence tomography system for small animal imaging. 2008 , 27, 1152-63	94
558	Fluorescent resonance energy transfer based detection of biological contaminants through hybrid quantum dot-quencher interactions. 2008 , 2, 47	7

(2008-2008)

557	Basic aspects of absorption and fluorescence spectroscopy and resonance energy transfer methods. 2008 , 84, 213-42	10
556	Synthesis and Stability of Fluorescent Gold Nanoparticles by Sodium Borohydride in the Presence of Mono-6-deoxy-6-pyridinium-毗yclodextrin Chloride. 2008 , 112, 443-451	48
555	Luminescent Eu(III) hybrid materials for sensor applications. 2008, 7, 1391-9	35
554	Energy transfer and amplified spontaneous emission in temperature-controlled random scattering media. 2008 , 112, 4561-70	4
553	Complex fluorescence of the cyan fluorescent protein: comparisons with the H148D variant and consequences for quantitative cell imaging. 2008 , 47, 12483-92	47
552	Photoinduced proton transfer coupled with energy transfer: Mechanism of sensitized luminescence of terbium ion by salicylic acid doped in polymer. 2008 , 128, 244701	52
551	Au Nanoparticle-Based Surface Energy Transfer Probe for Conformational Changes of BSA Protein. 2008 , 112, 17945-17951	114
550	Protein Folding and Dynamics from Optical Single Molecule Spectroscopy. 2008 , 181-215	3
549	Lanthanide-binding tags with unnatural amino acids: sensitizing Tb3+ and Eu3+ luminescence at longer wavelengths. 2008 , 19, 588-91	48
548	Mechanistic principles and applications of resonance energy transfer. 2008 , 86, 855-870	41
547	WHEP domains direct noncanonical function of glutamyl-Prolyl tRNA synthetase in translational control of gene expression. 2008 , 29, 679-90	98
546	Protein folding: then and now. 2008 , 469, 4-19	78
545	A homogeneous G protein-coupled receptor ligand binding assay based on time-resolved fluorescence resonance energy transfer. 2008 , 6, 543-50	24
544	Side illumination fluorescence emission characteristics from a dye doped polymer optical fiber under two-photon excitation. 2008 , 47, 1913-21	5
543	Bioconjugate Techniques - Pages 1041-1132. 2008 , 1041-1132	
542	Single molecule conformational analysis of DNA G-quadruplexes. 2008 , 90, 1197-206	27
541	Membrane-associated stress proteins: more than simply chaperones. 2008 , 1778, 1653-64	159
540	Intrinsically Referenced Fluorimetric Sensing and Detection Schemes: Methods, Advantages and Applications. 2008 , 373-414	18

539	Resonance energy transfer in the solution phase photophysics of -Re(CO)3 L+ pendants bonded to poly(4-vinylpyridine). 2008 , 112, 11506-16	12
538	Strategy for efficient site-specific FRET-dye labeling of ubiquitin. 2008 , 19, 1124-6	9
537	Gradient shape-persistent pi-conjugated dendrimers for light-harvesting: synthesis, photophysical properties, and energy funneling. 2008 , 130, 9952-62	115
536	Fluorescence coincidence spectroscopy for single-molecule fluorescence resonance energy-transfer measurements. 2008 , 80, 8389-97	19
535	Interleukin-5 receptor subunit oligomerization and rearrangement revealed by fluorescence resonance energy transfer imaging. 2008 , 283, 13398-406	25
534	The C-terminal domain of TRPV4 is essential for plasma membrane localization. 2008 , 25, 139-51	36
533	Two postprocessing techniques for the elimination of background autofluorescence for fluorescence lifetime imaging microscopy. 2008 , 13, 014008	12
532	Functional complementation of high-efficiency resonance energy transfer: a new tool for the study of protein binding interactions in living cells. 2008 , 409, 251-61	47
531	Fluorescent proteins as biomarkers and biosensors: throwing color lights on molecular and cellular processes. 2008 , 9, 338-69	117
530	RNA intramolecular dynamics by single-molecule FRET. 2008 , Chapter 11, Unit 11.12	15
529	Fluorescence Lifetime Spectroscopy and Imaging of Visible Fluorescent Proteins. 2009, 147-176	14
528	Resonance Energy Transfer. 2009 , 533-554	3
527	BRET3: a red-shifted bioluminescence resonance energy transfer (BRET)-based integrated platform for imaging protein-protein interactions from single live cells and living animals. 2009 , 23, 2702-9	87
526	Theoretical studies of short polyproline systems: recalibration of a molecular ruler. 2009 , 113, 4639-46	32
525	Shared-mode assisted resonant energy transfer in the weak coupling regime. 2009, 130, 214505	48
524	Sensing peptide-oligonucleotide interactions by a two-color fluorescence label: application to the HIV-1 nucleocapsid protein. 2009 , 37, e25	62
523	Functional interaction of the cation channel transient receptor potential vanilloid 4 (TRPV4) and actin in volume regulation. 2009 , 88, 141-52	89
522	A Pyrrolysine Analogue for Protein Click Chemistry. 2009 , 121, 1661-1663	44

(2009-2009)

521	Die Anwendung von Viren in Chemo- und Biosensoren. 2009 , 121, 6922-6943	14
520	Luminescent bimetallic lanthanide bioprobes for cellular imaging with excitation in the visible-light range. 2009 , 15, 885-900	140
519	Fluorescence quenching by photoinduced electron transfer: a reporter for conformational dynamics of macromolecules. 2009 , 10, 1389-98	358
518	Optimized protocol of a frequency domain fluorescence lifetime imaging microscope for FRET measurements. 2009 , 72, 371-9	20
517	A pyrrolysine analogue for protein click chemistry. 2009 , 48, 1633-5	104
516	Virus-based chemical and biological sensing. 2009 , 48, 6790-810	217
515	Nucleobase-specific enhancement of Cy3 fluorescence. <i>Journal of Fluorescence</i> , 2009 , 19, 443-8 2.4	48
514	Fluorescence quenching of TMR by guanosine in oligonucleotides. 2009 , 52, 1653-1659	13
513	Identifying cytoplasmic proteins that affect receptor clustering using fluorescence resonance energy transfer and RNA interference. 2009 , 395, 2303-11	11
512	G-protein-coupled receptor oligomers: two or more for what? Lessons from mGlu and GABAB receptors. 2009 , 587, 5337-44	43
511	Protein watching. 2009 , 3, 81-82	2
510	Determination of supramolecular structure and spatial distribution of protein complexes in living cells. 2009 , 3, 107-113	83
509	Physical methods and molecular biology. 2009 , 54, 238-269	3
508	Second messenger-mediated spatiotemporal control of protein degradation regulates bacterial cell cycle progression. 2009 , 23, 93-104	234
507	Mesoporous Silica-Templated Assembly of Luminescent Polyester Particles. 2009 , 21, 4310-4315	24
506	Tracking spatial disorder in an optical ruler by time-resolved NSET. 2009 , 113, 552-8	25
505	Quantitative fluorescence correction incorporating FEster resonance energy transfer and its use for measurement of hybridization efficiency on microarrays. 2009 , 81, 1426-32	7
504	Deciphering the fluorescence resonance energy transfer signature of 3-pyrazolyl 2-pyrazoline in transport proteinous environment. 2009 , 113, 11429-36	51

503	Rapid profiling of peptide stability in proteolytic environments. 2009 , 81, 1580-6	33
502	Fretting about FRET: failure of the ideal dipole approximation. 2009 , 96, 4779-88	105
501	A quantitative protocol for dynamic measurements of protein interactions by FEster resonance energy transfer-sensitized fluorescence emission. 2009 , 6,	73
500	Collapse transition in proteins. 2009 , 11, 83-93	113
499	Interaction of human serum albumin with charge transfer probe ethyl ester of N,N-dimethylamino naphthyl acrylic acid: an extrinsic fluorescence probe for studying protein micro-environment. 2009 , 8, 101-10	43
498	Microwave-assisted synthesis of thiophene fluorophores, labeling and multilabeling of monoclonal antibodies, and long lasting staining of fixed cells. 2009 , 131, 10892-900	61
497	High-resolution temperature-concentration diagram of alpha-synuclein conformation obtained from a single Fister resonance energy transfer image in a microfluidic device. 2009 , 81, 6929-35	27
496	Site-specific two-color protein labeling for FRET studies using split inteins. 2009 , 131, 11644-5	59
495	Dual temperature- and pH-responsive fluorescence molecular probe for cellular imaging utilizing a PNIPAAm-fluorescein copolymer. 2009 , 25, 1043-7	19
494	Lanthanide Luminescent Bioprobes (LLBs). 2009 , 38, 104-109	163
494 493	Lanthanide Luminescent Bioprobes (LLBs). 2009 , 38, 104-109 Overview of confocal microscopy. 2010 , 588, 187-201	163 2
493	Overview of confocal microscopy. 2010 , 588, 187-201	2
493 492	Overview of confocal microscopy. 2010 , 588, 187-201 Lanthanide luminescence for biomedical analyses and imaging. 2010 , 110, 2729-55 Focus on quantum dots as potential fluorescent probes for monitoring food toxicants and	2 2054
493 492 491	Overview of confocal microscopy. 2010 , 588, 187-201 Lanthanide luminescence for biomedical analyses and imaging. 2010 , 110, 2729-55 Focus on quantum dots as potential fluorescent probes for monitoring food toxicants and foodborne pathogens. 2010 , 397, 1445-55 Demonstration of a surface plasmon-coupled emission (SPCE)-based immunoassay in the absence	2 2054 51
493 492 491 490	Overview of confocal microscopy. 2010, 588, 187-201 Lanthanide luminescence for biomedical analyses and imaging. 2010, 110, 2729-55 Focus on quantum dots as potential fluorescent probes for monitoring food toxicants and foodborne pathogens. 2010, 397, 1445-55 Demonstration of a surface plasmon-coupled emission (SPCE)-based immunoassay in the absence of a spacer layer. 2010, 398, 1947-54 Critical role of tyrosine 79 in the fluorescence resonance energy transfer and	2 2054 51 16
493 492 491 490 489	Overview of confocal microscopy. 2010, 588, 187-201 Lanthanide luminescence for biomedical analyses and imaging. 2010, 110, 2729-55 Focus on quantum dots as potential fluorescent probes for monitoring food toxicants and foodborne pathogens. 2010, 397, 1445-55 Demonstration of a surface plasmon-coupled emission (SPCE)-based immunoassay in the absence of a spacer layer. 2010, 398, 1947-54 Critical role of tyrosine 79 in the fluorescence resonance energy transfer and terbium(III)-dependent self-assembly of ciliate Euplotes octocarinatus centrin. 2010, 15, 995-1007 Radio (14C)- and fluorescent-doubly labeled silica nanoparticles for biological and environmental	2 2054 51 16

485	Lifetime imaging of FRET between red fluorescent proteins. 2010 , 3, 774-83	20
484	Synthesis, Structure and Optical Studies of a Family of Three-Dimensional Rare-Earth Aminoisophthalates $[M(\overline{D}-OH)(C8H5NO4)]$ (M = Y3+, La3+, Pr3+, Nd3+, Sm3+, Eu3+, Gd3+, Dy3+, and Er3+). 2010 , 2010, 3813-3822	22
483	Single-Molecule Spectroscopy of Unfolded Proteins. 2010 , 369-389	2
482	Ein Quantenpunkt-basiertes molekulares Lineal zur optischen Multiplexanalyse. 2010 , 122, 7732-7736	6
481	A quantum-dot-based molecular ruler for multiplexed optical analysis. 2010 , 49, 7570-4	74
480	Synthesis of a new beta-naphthothiazole monomethine cyanine dye for the detection of DNA in aqueous solution. 2010 , 75, 1605-9	21
479	In vivo analysis of the 2-Cys peroxiredoxin oligomeric state by two-step FRET. 2010 , 149, 272-9	21
478	Mechanisms of sensitization of lanthanide(III)-based luminescence in transition metal/lanthanide and anthracene/lanthanide dyads. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 2634-2642	151
477	Fluorescence resonance energy transfer from serum albumins to 1-anthracene sulphonate entrapped in reverse micellar nanocavities. 2010 , 369, 57-64	7
476	Rubredoxin mutant A51C unfolding dynamics: a FEster Resonance Energy Transfer study. 2010 , 148, 131-7	6
475	Single-molecule FRET imaging for enzymatic reactions at high ligand concentrations. 2010 , 6, 346-50	23
474	Genetically encoded FRET-pair on the basis of terbium-binding peptide and red fluorescent protein. 2010 , 46, 154-158	7
473	A proximity ligation assay using transiently transfected, epitope-tagged proteins: application for in situ detection of dimerized receptor tyrosine kinases. 2010 , 48, 145-52	38
472	Iron-mediated oxidation induces conformational changes within the redox-sensing protein HbpS. 2010 , 285, 28086-96	15
471	Bicaudal D1-dependent trafficking of human cytomegalovirus tegument protein pp150 in virus-infected cells. 2010 , 84, 3162-77	48
470	A flow cytometry-based FRET assay to identify and analyse protein-protein interactions in living cells. 2010 , 5, e9344	113
469	Chapter 247 Self-Assembled Lanthanide Helicates. 2010 , 301-553	13
468	Heterospecies partition analysis reveals binding curve and stoichiometry of protein interactions in living cells. 2010 , 107, 4117-22	24

467	Comparative Analysis of Fluorescence Reporter Signals Based on Intensity, Anisotropy, Time-Resolution, and Wavelength-Ratiometry. 2010 , 3-24	11
466	Denoising single-molecule FRET trajectories with wavelets and Bayesian inference. 2010 , 98, 164-73	42
465	Comparison between whole distribution- and average-based approaches to the determination of fluorescence resonance energy transfer efficiency in ensembles of proteins in living cells. 2010 , 98, 2127-35	23
464	The Effect of dye-dye interactions on the spatial resolution of single-molecule FRET measurements in nucleic acids. 2010 , 98, 2265-72	66
463	Noninvasive measurements of integrin microclustering under altered membrane cholesterol levels. 2010 , 99, 853-61	11
462	Monitoring a coordinated exchange process in a four-component biological interaction system: development of a time-resolved terbium-based one-donor/three-acceptor multicolor FRET system. 2010 , 132, 4685-92	52
461	Lanthanide luminescence for functional materials and bio-sciences. 2010 , 39, 189-227	2697
460	Exchange of apolipoprotein A-I between lipid-associated and lipid-free states: a potential target for oxidative generation of dysfunctional high density lipoproteins. 2010 , 285, 18847-57	68
459	Exploring hydrophobic subdomain IIA of the protein bovine serum albumin in the native, intermediate, unfolded, and refolded states by a small fluorescence molecular reporter. 2010 , 114, 6183-96	162
458	Assessment of fluorescence resonance energy transfer for two-color DNA microarray platforms. 2010 , 82, 5304-12	13
457	Photophysical characterization of a FRET system using tailor-made DNA oligonucleotide sequences. 2010 , 21, 2347-54	16
456	Involvement of the LSPR spectral overlap for energy transfer between a dye and Au nanoparticle. 2010 , 132, 9383-91	186
455	Studies of protein folding pathways. 2010 , 106, 259	1
454	Ultrafast microfluidic mixer with three-dimensional flow focusing for studies of biochemical kinetics. 2010 , 10, 598-609	59
453	Gas-phase fluorescence excitation and emission spectroscopy of mass-selected trapped molecular ions. 2010 , 12, 2590-8	69
452	DNA-assisted white light emission through FRET. 2011 , 47, 1288-90	37
451	On the cutting edge: protease-sensitive prodrugs for the delivery of photoactive compounds. 2011 , 10, 689-703	12
450	Protease sensing with nanoparticle based platforms. 2011 , 136, 29-41	58

449	Testing the use of molecular dynamics to simulate fluorophore motions and FRET. 2011 , 13, 11045-54	18
448	FRET-FCS detection of intralobe dynamics in calmodulin. 2011 , 115, 9320-6	21
447	Ultrafast photoinduced electron transfer between tetramethylrhodamine and guanosine in aqueous solution. 2011 , 115, 6265-71	25
446	Sensitive and Specific DNA Detection Based on Nicking Endonuclease-Assisted Fluorescence Resonance Energy Transfer Amplification. 2011 , 115, 16315-16321	41
445	Gauging the flexibility of fluorescent markers for the interpretation of fluorescence resonance energy transfer. 2011 , 133, 279-85	18
444	Quantifying the degradation of extracellular polysaccharides of Escherichia coli by CdS quantum dots. 2011 , 21, 13445	18
443	Measuring FEster resonance energy transfer between fluorescent nanodiamonds and near-infrared dyes by acceptor photobleaching. 2011 , 20, 803-807	22
442	Fluorescence-based Biosensors Update based on original article by John D. Brennan, Encyclopedia of Analytical Chemistry, [] 2000, John Wiley & Sons Ltd 2011 ,	
441	In vivo quantification of G protein coupled receptor interactions using spectrally resolved two-photon microscopy. 2011 ,	2
440	Rhodamine 6G and 800 J-heteroaggregates with enhanced acceptor luminescence (HEAL) adsorbed in transparent SiO2 GLAD thin films. 2011 , 13, 7071-82	14
439	Mechanistic insights into antibiotic action on the ribosome through single-molecule fluorescence imaging. 2011 , 1241, E1-16	6
438	LRET-based biodetection of DNA release in live cells using surface-modified upconverting fluorescent nanoparticles. 2011 , 27, 2854-60	57
437	Single-Molecule FRET of Protein-Folding Dynamics. 2011 , 23-48	1
436	A spectral deciphering of the binding interaction of an intramolecular charge transfer fluorescence probe with a cationic protein: thermodynamic analysis of the binding phenomenon combined with blind docking study. 2011 , 10, 980-91	88
435	1-D, 2-D, and 3-D OrganicIhorganic Hybrids Assembled from Keggin-type Polyoxometalates and 3d-4f Heterometals. 2011 , 11, 3769-3777	108
434	Using molecular dynamics and quantum mechanics calculations to model fluorescence observables. 2011 , 115, 3997-4008	30
433	. 2011 , 10, 35-43	16
432	Quantitative analysis of energy transfer between fluorescent proteins in CFP-GBP-YFP and its response to Ca2+. 2011 , 13, 17852-63	3

431	Polyethylenimine/oligonucleotide polyplexes investigated by fluorescence resonance energy transfer and fluorescence anisotropy. 2011 , 21, 109-14	8
430	Measuring FRET using time-resolved FLIM. 2011 , 769, 403-13	11
429	Distinct conformations of DNA-stabilized fluorescent silver nanoclusters revealed by electrophoretic mobility and diffusivity measurements. 2011 , 27, 8923-33	61
428	Intermolecular energy transfer from Tb3+ to Eu3+ in aqueous aggregates and on the surface of human cells. 2011 , 13, 2802-5	24
427	Synthesis, structure and luminescent properties of two-dimensional lanthanum(III) porous coordination polymer based on pyridine-2,6-dicarboxylic acid. 2011 , 161, 925-930	28
426	Synthesis, structure and luminescent properties of 3D lanthanide (La(III), Ce(III)) coordination polymers possessing 1D nanosized cavities based on pyridine-2,6-dicarboxylic acid. 2011 , 161, 1500-1508	28
425	Optical routing and switching of energy flow in nanostructure systems. 2011 , 99, 113113	9
424	A New Theoretical Approach to Single-Molecule Fluorescence Optical Studies of RNA Dynamics. 2011 , 277, 012052	
423	FRET (fluorescence resonance energy transfer) sheds light on transcription. 2011 , 39, 122-7	8
422	Graphene and graphene oxide: biofunctionalization and applications in biotechnology. 2011 , 29, 205-12	1150
421	Nucleic-Acid-Based Switches. 2011 , 227-256	2
420	Role of solvation effects in protein denaturation: from thermodynamics to single molecules and back. 2011 , 62, 257-77	209
419	Sequencing technologies and genome sequencing. 2011 , 52, 413-35	426
418	Fluorescence resonance energy transfer between fluorescent proteins as powerful toolkits for in vivo studies. 2011 , 8, 91-102	7
417	Photoinduced Electron Transfer (PET) Reactions. 2011 , 189-218	1
416	Luminescence Resonance Energy Transfer in Heterodinuclear LnIII Complexes for Sensing Biologically Relevant Anions. 2011 , 2011, 154-164	42
415	Improved temporal resolution and linked hidden Markov modeling for switchable single-molecule FRET. 2011 , 12, 571-9	20
414	Quantitative comparison of polar approach versus fitting method in time domain FLIM image analysis. 2011 , 79, 149-58	22

413	Biocompatible quantum dots for biological applications. 2011 , 18, 10-24	386
412	Intracellularly monitoring/imaging the release of doxorubicin from pH-responsive nanoparticles using FEster resonance energy transfer. 2011 , 32, 2586-92	71
411	Fluorescence resonance energy transfer: A promising tool for investigation of the interaction between 1-anthracene sulphonate and serum albumins. 2011 , 131, 316-321	69
410	Luminescent Eu(III) hybrid sensors for in situ copper detection. 2011 , 158, 214-222	18
409	Forward-collected simultaneous fluorescence lifetime imaging and coherent anti-Stokes Raman scattering microscopy. 2011 , 16, 021103	21
408	Highly cooperative dependence of sarco/endoplasmic reticulum calcium ATPase SERCA2a pump activity on cytosolic calcium in living cells. 2011 , 286, 20591-9	28
407	A dual-readout F2 assay that combines fluorescence resonance energy transfer and fluorescence polarization for monitoring bimolecular interactions. 2011 , 9, 382-93	15
406	Intracellular Probes. 2011 , 447-470	
405	Towards characterization of DNA structure under physiological conditions in vivo at the single-molecule level using single-pair FRET. 2012 , 40, e121	26
404	Distinct dendritic spine and nuclear phases of calcineurin activation after exposure to amyloid- revealed by a novel fluorescence resonance energy transfer assay. 2012 , 32, 5298-309	42
403	In vivo fluorescence lifetime detection of an activatable probe in infarcted myocardium. 2012 , 17, 056001	18
402	Excitation transfer induced spectral diffusion and the influence of structural spectral diffusion. 2012 , 137, 064109	10
401	Single-Molecule Fluorescence Spectroscopy: The Ultimate Limit of Analytical Chemistry in the Condensed Phase. 2012 , 711-735	1
400	Analysis of ubiquitin E3 ligase activity using selective polyubiquitin binding proteins. 2012 , 1823, 2094-7	13
399	Single-molecule FRET with total internal reflection microscopy. 2012 , 2012,	41
398	Quantum dot applications endowing novelty to analytical proteomics. 2012 , 12, 2949-61	74
397	Methods for analysis of the cancer microenvironment and their potential for disease prediction, monitoring and personalized treatments. 2012 , 3, 7	4
396	Fluorogenic Enzyme-Responsive Micellar Nanoparticles. 2012 , 3, 2690-2694	46

395	General and reliable quantitative measurement of fluorescence resonance energy transfer using three fluorescence channels. 2012 , 137, 1013-9	3
394	Correlation-matrix analysis of two-color coincidence events in single-molecule fluorescence experiments. 2012 , 84, 2729-36	10
393	Labeling proteins for single-molecule FRET. 2012 , 2012, 1009-12	7
392	Labeling DNA (or RNA) for single-molecule FRET. 2012 , 2012, 1005-8	17
391	Fluorescence lifetimes of rhodamine dyes in vacuo. 2012 , 244, 47-53	39
390	Using lanthanide-based resonance energy transfer for in vitro and in vivo studies of biological processes. 2012 , 77, 1553-74	8
389	Luminescence of Ln3+ lanthanide complexes in polymer matrices. 2012 , 54, 921-941	10
388	New Fluorescent Strategies Shine Light on the Evolving Concept of GPCR Oligomerization. 2012, 389-415	
387	3.6 Single-Molecule Spectroscopy of Protein Folding. 2012 , 115-137	
386	PEGylated graphene oxide-mediated protein delivery for cell function regulation. 2012 , 4, 6317-23	136
386 385	PEGylated graphene oxide-mediated protein delivery for cell function regulation. 2012 , 4, 6317-23 Nanobodies as structural probes of protein misfolding and fibril formation. 2012 , 911, 533-58	136
385	Nanobodies as structural probes of protein misfolding and fibril formation. 2012 , 911, 533-58	13
385	Nanobodies as structural probes of protein misfolding and fibril formation. 2012 , 911, 533-58 Methods for identifying and characterizing interactions involving RNA. 2012 , 68, 8837-8855	13
385 384 383	Nanobodies as structural probes of protein misfolding and fibril formation. 2012 , 911, 533-58 Methods for identifying and characterizing interactions involving RNA. 2012 , 68, 8837-8855 Identifying and measuring transmembrane helix-helix interactions by FRET. 2012 , 914, 87-106	13 17 2
385 384 383 382	Nanobodies as structural probes of protein misfolding and fibril formation. 2012, 911, 533-58 Methods for identifying and characterizing interactions involving RNA. 2012, 68, 8837-8855 Identifying and measuring transmembrane helix-helix interactions by FRET. 2012, 914, 87-106 FRET Analysis of Protein-Lipid Interactions. 2012, 115-140 Semiconductor quantum dots as FRET acceptors for multiplexed diagnostics and molecular ruler	13 17 2
385 384 383 382 381	Nanobodies as structural probes of protein misfolding and fibril formation. 2012, 911, 533-58 Methods for identifying and characterizing interactions involving RNA. 2012, 68, 8837-8855 Identifying and measuring transmembrane helix-helix interactions by FRET. 2012, 914, 87-106 FRET Analysis of Protein-Lipid Interactions. 2012, 115-140 Semiconductor quantum dots as FRET acceptors for multiplexed diagnostics and molecular ruler application. 2012, 733, 75-86	13 17 2 1

(2013-2012)

377	Minimalist probes for studying protein dynamics: thioamide quenching of selectively excitable fluorescent amino acids. 2012 , 134, 6088-91	63
376	Graphene oxide as an optical biosensing platform. 2012 , 24, 3298-308	398
375	Elucidating protein inter- and intramolecular interacting domains using chemical cross-linking and matrix-assisted laser desorption ionization-time of flight/time of flight mass spectrometry. 2012 , 421, 712-8	6
374	Synthesis and characterization of bifunctional terbium complex-based nanoparticles. 2012 , 57, 750-755	1
373	Electronically excited states and photodynamics: a continuing challenge. 2012, 131, 1	69
372	A Bright Light to Reveal Mobility: Single Quantum Dot Tracking Reveals Membrane Dynamics and Cellular Mechanisms. 2013 , 4, 2858-2866	13
371	Cell-surface protein-protein interaction analysis with time-resolved FRET and snap-tag technologies. 2013 , 1066, 121-9	
370	Male-specific W4P/R mutation in the pre-S1 region of hepatitis B virus, increasing the risk of progression of liver diseases in chronic patients. 2013 , 51, 3928-36	29
369	Filster Resonance Energy Transfer (FRET) from Triton X-100 to 4-benzothiazol-2-yl-phenol: Varying FRET efficiency with CMC of the donor (Triton X-100). 2013 , 143, 374-381	5
368	FRET with Fluorescent Proteins. 2013 , 431-473	
	- 1	
367	FRET spectrometry: a new tool for the determination of protein quaternary structure in living cells. 2013 , 105, 1937-45	46
	FRET spectrometry: a new tool for the determination of protein quaternary structure in living cells.	46 52
367	FRET spectrometry: a new tool for the determination of protein quaternary structure in living cells. 2013, 105, 1937-45 A high-throughput homogeneous immunoassay based on FEster resonance energy transfer	·
367	FRET spectrometry: a new tool for the determination of protein quaternary structure in living cells. 2013, 105, 1937-45 A high-throughput homogeneous immunoassay based on FEster resonance energy transfer between quantum dots and gold nanoparticles. 2013, 763, 43-9	52
367 366 365	FRET spectrometry: a new tool for the determination of protein quaternary structure in living cells. 2013, 105, 1937-45 A high-throughput homogeneous immunoassay based on FEster resonance energy transfer between quantum dots and gold nanoparticles. 2013, 763, 43-9 Theranostic agents for intracellular gene delivery with spatiotemporal imaging. 2013, 8, 21-38 Protein-protein interactions among West Nile non-structural proteins and transmembrane complex	5 ² 36
367 366 365 364	FRET spectrometry: a new tool for the determination of protein quaternary structure in living cells. 2013, 105, 1937-45 A high-throughput homogeneous immunoassay based on FEster resonance energy transfer between quantum dots and gold nanoparticles. 2013, 763, 43-9 Theranostic agents for intracellular gene delivery with spatiotemporal imaging. 2013, 8, 21-38 Protein-protein interactions among West Nile non-structural proteins and transmembrane complex formation in mammalian cells. 2013, 446, 365-77	52 36 42
367 366 365 364 363	FRET spectrometry: a new tool for the determination of protein quaternary structure in living cells. 2013, 105, 1937-45 A high-throughput homogeneous immunoassay based on FEster resonance energy transfer between quantum dots and gold nanoparticles. 2013, 763, 43-9 Theranostic agents for intracellular gene delivery with spatiotemporal imaging. 2013, 8, 21-38 Protein-protein interactions among West Nile non-structural proteins and transmembrane complex formation in mammalian cells. 2013, 446, 365-77 How to Apply FRET: From Experimental Design to Data Analysis. 2013, 105-163	52 36 42 21

359	Single-molecule studies of RNA polymerases. 2013 , 113, 8377-99	15
358	Determination of the quaternary structure of a bacterial ATP-binding cassette (ABC) transporter in living cells. 2013 , 5, 312-23	28
357	Kinetic analysis of renin and its inhibitors by detecting double-labelled peptidic substrates with an immunoassay. 2013 , 138, 2104-9	
356	Highly sensitive grating coupler-based surface plasmon-coupled emission (SPCE) biosensor for immunoassay. 2013 , 138, 2576-82	16
355	Six-color time-resolved Fister resonance energy transfer for ultrasensitive multiplexed biosensing. 2013 , 135, 1102-9	153
354	Biomimetic enzyme nanocomplexes and their use as antidotes and preventive measures for alcohol intoxication. 2013 , 8, 187-92	238
353	An ultrasensitive and selective fluorescence assay for Sudan I and III against the influence of Sudan II and IV. 2013 , 42, 136-40	14
352	Intimately bound coumarin and bis(alkylaminostyryl)benzene fragments: synthesis and energy transfer. 2013 , 69, 2827-2833	8
351	Graphene: promises, facts, opportunities, and challenges in nanomedicine. 2013, 113, 3407-24	563
350	Synthesis of hydroxyapatite-reduced graphite oxide nanocomposites for biomedical applications: oriented nucleation and epitaxial growth of hydroxyapatite. 2013 , 1, 1826-1834	141
349	Graphene-Based Optical and Electrochemical Biosensors: A Review. 2013 , 46, 1-17	60
348	Ultrafast fluorescence quenching dynamics of Atto655 in the presence of N-acetyltyrosine and N-acetyltryptophan in aqueous solution: proton-coupled electron transfer versus electron transfer. 2013 , 117, 7308-16	8
347	Making connectionsstrategies for single molecule fluorescence biophysics. 2013 , 17, 691-8	14
346	Interparticle interactions: energy potentials, energy transfer, and nanoscale mechanical motion in response to optical radiation. 2013 , 117, 75-82	18
345	Restricted state selection in fluorescent protein Ffster resonance energy transfer. 2013, 135, 7883-90	13
344	Conformational disorder in energy transfer: beyond FEster theory. 2013 , 15, 9245-56	27
343	Fluorescent biphenyl derivatives of phenylalanine suitable for protein modification. 2013 , 52, 8580-9	14
342	Spectroscopic study of laser irradiated chromatin. 2013 , 216, 9-14	

341 Cooperative Effects in Plasmonics. **2013**, 525-565

340	Resonance energy flow dynamics of coherently delocalized excitons in biological and macromolecular systems: Recent theoretical advances and open issues. 2013 , 3, 84-104	39
339	Optical Properties andIn VitroBiological Studies of Oligonucleotide-Modified Quantum Dots. 2013 , 2013, 1-10	3
338	Modern biophysical approaches probe transcription-factor-induced DNA bending and looping. 2013 , 41, 368-73	8
337	EPR relaxation-enhancement-based distance measurements on orthogonally spin-labeled T4-lysozyme. 2013 , 14, 1883-90	17
336	FRETmatrix: a general methodology for the simulation and analysis of FRET in nucleic acids. 2013 , 41, e18	42
335	Graphene Oxide as a Pathogen-Revealing Agent: Sensing with a Digital-Like Response. 2013 , 125, 14024-140)28 ₇
334	Cooperative amplification of energy transfer in plasmonic systems. 2013 , 88,	11
333	Energy transfer from pyridine molecules towards europium cations contained in sub 5-nm Eu2O3 nanoparticles: Can a particle be an efficient multiple donor-acceptor system?. 2013 , 114, 114308	4
332	SOLVING SINGLE BIOMOLECULES BY ADVANCED FRET-BASED SINGLE-MOLECULE FLUORESCENCE TECHNIQUES. 2013 , 08, 161-190	11
331	Graphene oxide as a pathogen-revealing agent: sensing with a digital-like response. 2013, 52, 13779-83	51
330	Near-Field Scanning Optical Microscopy: A New Tool for Exploring Structure and Function in Biology. 2014 , 225-253	4
329	Direct Excitation Ln(III) Luminescence Spectroscopy to Probe the Coordination Sphere of Ln(III) Catalysts, Optical Sensors and MRI Agents. 2014 , 303-330	0
328	Luminescent lanthanide reporters: new concepts for use in bioanalytical applications. 2014 , 2, 012001	57
327	Development and experimental testing of an optical micro-spectroscopic technique incorporating true line-scan excitation. 2013 , 15, 261-76	45
326	Determining protein complex structures based on a Bayesian model of in vivo FEster resonance energy transfer (FRET) data. 2014 , 13, 2812-23	22
325	Site-specific dual labeling of proteins by using small orthogonal tags at neutral pH. 2014 , 15, 1787-91	8
324	Energy transfer in plasmonic systems. 2014 , 16, 114015	15

323	Quantitative analysis of tau-microtubule interaction using FRET. 2014 , 15, 14697-714	12
322	Fluorescence resonance energy transfer between NaYF4:Yb,Tm upconversion nanoparticles and gold nanorods: Near-infrared responsive biosensor for streptavidin. 2014 , 147, 278-283	32
321	Pyoverdine secreted by Pseudomonas aeruginosa as a biological recognition element for the fluorescent detection of furazolidone. 2014 , 51, 90-6	39
320	Luminescent terbium complexes: Superior FEster resonance energy transfer donors for flexible and sensitive multiplexed biosensing. <i>Coordination Chemistry Reviews</i> , 2014 , 273-274, 125-138	141
319	Chemistry, biology, and medicine of fluorescent nanomaterials and related systems: new insights into biosensing, bioimaging, genomics, diagnostics, and therapy. 2014 , 114, 6130-78	561
318	Photosynthetic light harvesting: excitons and coherence. 2014 , 11, 20130901	180
317	Fluorescence lifetime imaging and FRET-induced intracellular redistribution of Tat-conjugated quantum dot nanoparticles through interaction with a phthalocyanine photosensitiser. 2014 , 10, 782-92	51
316	Lanthanides and quantum dots as FEster resonance energy transfer agents for diagnostics and cellular imaging. 2014 , 53, 1824-38	112
315	PET-FCS: probing rapid structural fluctuations of proteins and nucleic acids by single-molecule fluorescence quenching. 2014 , 1076, 597-615	31
314	Poly(acrylic acid)-grafted graphene oxide as an intracellular protein carrier. 2014 , 30, 402-9	41
313	Graphene materials-based energy acceptor systems and sensors. 2014 , 18, 1-17	35
312	Practical aspects of wavelength ratiometry in the studies of intermolecular interactions. 2014 , 1077, 51-67	40
311	Resonant vibrational energy transfer in ice Ih. 2014 , 140, 244503	8
310	Tryptophan-based fluorophores for studying protein conformational changes. 2014 , 22, 5924-34	21
309	Fluorescence quenching of quantum dots by gold nanoparticles: a potential long range spectroscopic ruler. 2014 , 14, 5052-7	133
308	Effect of substituents on FRET in rhodamine based chemosensors selective for Hg2+ ions. 2014 , 139, 1628-31	37
307	Labelling Polymers and Micellar Nanoparticles via Initiation, Propagation and Termination with ROMP. 2014 , 5, 1954-1964	35
306	Action-FRET: probing the molecular conformation of mass-selected gas-phase peptides with Fister resonance energy transfer detected by acceptor-specific fragmentation. 2014 , 86, 8798-804	43

(2015-2014)

305	Ultrafast FRET to study spontaneous micelle-to-vesicle transitions in an aqueous mixed surface-active ionic-liquid system. 2014 , 15, 3544-53	23
304	Tools and techniques to study ligand-receptor interactions and receptor activation by TNF superfamily members. 2014 , 545, 103-25	24
303	Recent progress in graphene-material-based optical sensors. 2014 , 406, 6903-16	45
302	Nanoprobes for super-resolution fluorescence imaging at the nanoscale. 2014 , 57, 100-106	24
301	InP Quantum Dots: An Environmentally Friendly Material with Resonance Energy Transfer Requisites. 2014 , 118, 3838-3845	58
300	Numerical Calculations of Radiative and Non-Radiative Relaxation of Molecules Near Metal Particles. 2014 , 118, 10545-10551	20
299	Lanthanide-containing polycations for monitoring polyplex dynamics via lanthanide resonance energy transfer. 2014 , 15, 1612-24	12
298	Fluorescence tools to investigate riboswitch structural dynamics. 2014 , 1839, 1005-1019	24
297	The fate of Krppel-like factor 9-positive hepatic carcinoma cells may be determined by the programmed cell death protein 5. 2014 , 44, 153-60	15
296	Investigation of membrane protein-protein interactions using correlative FRET-PLA. 2014 , 57, 188-91, 193-8	18
295	Investigation of the Interaction between Nitrite Ion and Bovine Serum Albumin Using Spectroscopic and Molecular Docking Techniques. 2014 , 61, 1223-1230	1
294	Chemical tools for probing histone deacetylase (HDAC) activity. 2015 , 31, 287-92	10
293	Structural exploration and Fister theory modeling for the interpretation of gas-phase FRET measurements: Chromophore-grafted amyloid-peptides. 2015 , 143, 025101	15
292	Advances and Prospects for Whispering Gallery Mode Microcavities. 2015 , 3, 1136-1162	187
291	Study on the fluorescence resonance energy transfer between CdS quantum dots and Eosin Y. 2015 , 30, 155-8	3
290	Genetically Encoded FRET-Sensor Based on Terbium Chelate and Red Fluorescent Protein for Detection of Caspase-3 Activity. 2015 , 16, 16642-54	2
289	Arabidopsis COP1 SUPPRESSOR 2 Represses COP1 E3 Ubiquitin Ligase Activity through Their Coiled-Coil Domains Association. 2015 , 11, e1005747	18
288	Cyanotryptophans as Novel Fluorescent Probes for Studying Protein Conformational Changes and DNA-Protein Interaction. 2015 , 54, 7457-69	44

287	Intracellular FRET-based probes: a review. 2015 , 3, 042006	62
286	Fluorescence Quenching Nanoprobes Dedicated to In Vivo Photoacoustic Imaging and High-Efficient Tumor Therapy in Deep-Seated Tissue. 2015 , 11, 2675-86	55
285	Rule-based classification models of molecular autofluorescence. 2015 , 55, 434-45	11
284	Ghrelin receptor conformational dynamics regulate the transition from a preassembled to an active receptor:Gq complex. 2015 , 112, 1601-6	58
283	The sigma-1 receptors are present in monomeric and oligomeric forms in living cells in the presence and absence of ligands. 2015 , 466, 263-271	77
282	The principle of compromise in competition: exploring stability condition of protein folding. 2015 , 60, 76-85	7
281	Synthesis, structure, and luminescent properties of a novel binuclear Gd(III) compound. 2015 , 41, 135-141	
2 80	Effect of the length of ligands passivating quantum dots on the electrooptical characteristics of organic light-emitting diodes. 2015 , 49, 953-958	6
279	The 37kDa/67kDa laminin receptor acts as a receptor for A#2 internalization. 2014 , 4, 5556	24
278	The graphene/nucleic acid nanobiointerface. 2015 , 44, 6954-80	153
277	Quantum dots-fluorescence resonance energy transfer-based nanosensors and their application. 2015 , 74, 562-74	176
276	Nanoparticle based fluorescence resonance energy transfer (FRET) for biosensing applications. 2015 , 3, 6989-7005	156
275	A method to quantify FRET stoichiometry with phasor plot analysis and acceptor lifetime ingrowth. 2015 , 108, 999-1002	18
274	Microsecond protein folding events revealed by time-resolved fluorescence resonance energy transfer in a microfluidic mixer. 2015 , 87, 5589-95	17
273	Photo-triggered fluorescent labelling of recombinant proteins in live cells. 2015 , 51, 9670-3	21
272	Artificial chaperones based on mixed shell polymeric micelles: insight into the mechanism of the interaction of the chaperone with substrate proteins using Fister resonance energy transfer. 2015 , 7, 10238-49	16
271		
	Pulse-shaping based two-photon FRET stoichiometry. 2015 , 23, 3353-72	5

269	Fluorescence Detection Techniques. 2015 , 69-132	2
268	Monitoring Integrated Activity of Individual Neurons Using FRET-Based Voltage-Sensitive Dyes. 2015 , 859, 149-69	3
267	Functional Studies of DNA-Protein Interactions Using FRET Techniques. 2015 , 1334, 115-41	7
266	Chemical sensing and imaging based on photon upconverting nano- and microcrystals: a review. 2015 , 3, 034004	29
265	Single-excitation dual-color coherent lasing by tuning resonance energy transfer processes in porous structured nanowires. 2015 , 7, 15091-8	15
264	Contact lens sensors in ocular diagnostics. 2015 , 4, 792-810	277
263	Molecular approaches to chromatography using single molecule spectroscopy. 2015 , 87, 83-98	32
262	Quantifying molecular colocalization in live cell fluorescence microscopy. 2015 , 8, 124-32	4
261	Plasmon-enhanced optical sensors: a review. 2015 , 140, 386-406	584
2 60	Effect of metal oxidation state on FRET: a Cu(I) silent but selectively Cu(II) responsive fluorescent reporter and its bioimaging applications. 2015 , 44, 1761-8	42
259	Graphene: Synthesis, bio-applications, and properties. 2016 , 44, 150-6	58
258	Early breast cancer screening using iron/iron oxide-based nanoplatforms with sub-femtomolar limits of detection. 2016 , 7, 364-373	13
257	Benz[c,d]indolium-containing Monomethine Cyanine Dyes: Synthesis and Photophysical Properties. 2015 , 21, E23	19
256	The Emergence of NMDA Receptor Metabotropic Function: Insights from Imaging. 2016 , 8, 20	48
255	Resonance Energy Transfer-Based Approaches to Study GPCRs. 2016 , 132, 255-92	14
254	FRETBursts: An Open Source Toolkit for Analysis of Freely-Diffusing Single-Molecule FRET. 2016 , 11, e0160716	35
253	On the possibility of ephedrine detection: time-resolved fluorescence resonance energy transfer (FRET)-based approach. 2016 , 408, 6329-36	5
252	Recent advances in M13 bacteriophage-based optical sensing applications. 2016 , 3, 27	30

251	Specific detection of potassium ion in serum by a modified G-quadruplex method. 2016 , 6, 41999-42007	10
250	Biophysical Approaches to Bacterial Gene Regulation by Riboswitches. 2016 , 915, 157-91	7
249	A homogeneous and "off-on" fluorescence aptamer-based assay for chloramphenicol using vesicle quantum dot-gold colloid composite probes. 2016 , 929, 49-55	33
248	Probing protein-lipid interactions by FRET between membrane fluorophores. 2016 , 4, 034014	2
247	Chemical and Biochemical Sensors, 1. Fundamentals. 2016 , 1-81	16
246	Fluorescence-Based Biosensors. 2016 , 1-52	1
245	Fluorescence Resonance Energy Transfer Microscopy for Measuring Chromatin Complex Structure and Dynamics. 2016 , 1480, 143-52	
244	Field-Effect Transistors, Sensors and Transparent Conductive Films. 2016 , 231-256	1
243	Single-molecule FRET studies of the cooperative and non-cooperative binding kinetics of the bacteriophage T4 single-stranded DNA binding protein (gp32) to ssDNA lattices at replication fork junctions. 2016 , 44, 10691-10710	6
242	Comparison of FAminobutyric Acid, Type A (GABAA), Receptor a nd E xpression Using Flow Cytometry and Electrophysiology: EVIDENCE FOR ALTERNATIVE SUBUNIT STOICHIOMETRIES AND ARRANGEMENTS. 2016 , 291, 20440-61	21
241	Correlative FEster Resonance Electron Transfer-Proximity Ligation Assay (FRET-PLA) Technique for Studying Interactions Involving Membrane Proteins. 2016 , 85, 29.17.1-29.17.13	3
240	A Small-Molecule Inhibitor of Lin28. 2016 , 11, 2773-2781	74
239	Conformational States of Cytochrome P450 Oxidoreductase Evaluated by Fister Resonance Energy Transfer Using Ultrafast Transient Absorption Spectroscopy. 2016 , 55, 5973-5976	7
238	PAR-CLIP: A Genomic Technique to Dissect RNA-Protein Interactions. 2016 , 261-289	
237	Effect of gold nanoparticles on the optical properties of Rhodamine 6G. 2016 , 70, 1	11
236	Subnanometer-accuracy optical distance ruler based on fluorescence quenching by transparent conductors. 2016 , 3, 112	66
235	Visualising apoptosis in live zebrafish using fluorescence lifetime imaging with optical projection tomography to map FRET biosensor activity in space and time. 2016 , 9, 414-24	22
234	The structure of chromophore-grafted amyloid-¶12-28) dimers in the gas-phase: FRET-experiment guided modelling. 2016 , 18, 9061-9	10

233	Gold-based hybrid nanomaterials for biosensing and molecular diagnostic applications. 2016 , 80, 543-559	65
232	The Role of Y2O3 and MgO Additives on the Photoluminescence Properties of Si3N4 Nanoparticles. 2016 , 27, 73-84	1
231	Synthesis, surface modification, and photophysical studies of Ln2O2S:Ln?3+ (Ln=Gd, Tb, Eu; Ln?=Tb and/ or Eu) nanoparticles for luminescence bioimaging. 2016 , 175, 165-175	9
230	Protein-quantum dot nanohybrids for bioanalytical applications. 2016 , 8, 178-90	10
229	Graphene and graphene-like two-denominational materials based fluorescence resonance energy transfer (FRET) assays for biological applications. 2017 , 89, 123-135	116
228	Determination of Lysozyme by Graphene Oxide B olyethylene Glycol-Based Fluorescence Resonance Energy Transfer. 2017 , 50, 148-160	10
227	A Unique Genetically Encoded FRET Pair in Mammalian Cells. 2017 , 18, 511-514	19
226	The photoluminescence spectral profiles of water-soluble aggregates of PbS quantum dots assembled through reversible metal coordination. 2017 , 53, 1981-1984	9
225	Amplified stimulated emission in upconversion nanoparticles for super-resolution nanoscopy. 2017 , 543, 229-233	473
224	Modern fluorescence-based concepts and methods to study biomolecular interactions. <i>Molecular Systems Design and Engineering</i> , 2017 , 2, 123-132	6
222	Rapid detection of malachite green in fish based on CdTe quantum dots coated with molecularly	
223	imprinted silica. 2017 , 229, 847-853	58
222	imprinted silica. 2017 , 229, 847-853 Cadmium-containing quantum dots: properties, applications, and toxicity. 2017 , 101, 2713-2733	58 77
222	Cadmium-containing quantum dots: properties, applications, and toxicity. 2017 , 101, 2713-2733 Lanthanide-to-quantum dot FEster resonance energy transfer (FRET): Application for	77
222	Cadmium-containing quantum dots: properties, applications, and toxicity. 2017 , 101, 2713-2733 Lanthanide-to-quantum dot FEster resonance energy transfer (FRET): Application for immunoassay. 2017 , 164, 377-385 Development of FRET biosensor based on aptamer/functionalized graphene for ultrasensitive	77
222 221 220	Cadmium-containing quantum dots: properties, applications, and toxicity. 2017, 101, 2713-2733 Lanthanide-to-quantum dot Fister resonance energy transfer (FRET): Application for immunoassay. 2017, 164, 377-385 Development of FRET biosensor based on aptamer/functionalized graphene for ultrasensitive detection of bisphenol A and discrimination from analogs. 2017, 10, 131-140 Investigating resonance energy transfer from protein molecules to van der Waals nanosheets. 2017	77 37 14
222 221 220 219	Cadmium-containing quantum dots: properties, applications, and toxicity. 2017, 101, 2713-2733 Lanthanide-to-quantum dot Ffster resonance energy transfer (FRET): Application for immunoassay. 2017, 164, 377-385 Development of FRET biosensor based on aptamer/functionalized graphene for ultrasensitive detection of bisphenol A and discrimination from analogs. 2017, 10, 131-140 Investigating resonance energy transfer from protein molecules to van der Waals nanosheets. 2017, 7, 26250-26255 Modifiers of prion protein biogenesis and recycling identified by a highly parallel endocytosis	77 37 14 8

215	Fluorescent cell-selective ablation using an adaptive photodynamic method. 2017 , 53, 12434-12437	2
214	Elastic FRET sensors for contactless pressure measurement. 2017 , 7, 50578-50583	О
213	Nanoparticle discrimination based on wavelength and lifetime-multiplexed cathodoluminescence microscopy. 2017 , 9, 12727-12734	15
212	Deciphering the fluorescence resonance energy transfer from denatured transport protein to anthracene 1,5 disulphonate in reverse micellar environment. 2017 , 1149, 785-791	3
211	Advanced Microscopy Techniques. 2017 , 39-75	3
210	High Signal-to-Background Ratio Detection of Cancer Cells with Activatable Strategy Based on Target-Induced Self-Assembly of Split Aptamers. 2017 , 89, 9347-9353	22
209	Ultra-Wideband Multi-Dye-Sensitized Upconverting Nanoparticles for Information Security Application. 2017 , 29, 1603169	118
208	A nanobiosensor for the detection of arginase activity. 2017 , 13, 383-390	6
207	Luminescence of Tb-based materials doped with Eu3+: case studies for energy transfer processes. 2017 , 189, 71-77	27
206	3.28 Fluorescence Based Intracellular Probes ?. 2017 , 606-634	
205	Resonance energy transfer between rhodamine dyes in saponite thin films: a step towards novel photofunctional nanohybrids. 2017 , 52, 263-273	2
204	Hierarchical Co-Assembly Enhanced Direct Ink Writing. 2018 , 57, 5105-5109	18
203	Hierarchical Co-Assembly Enhanced Direct Ink Writing. 2018 , 130, 5199-5203	11
202	Watching Three-Dimensional Movements of Single Membrane Proteins in Lipid Bilayers. 2018 , 57, 4735-4740	1
201	GHSR-D2R heteromerization modulates dopamine signaling through an effect on G protein conformation. 2018 , 115, 4501-4506	45
200	Extraction of information on macromolecular interactions from fluorescence micro-spectroscopy measurements in the presence and absence of FRET. 2018 , 199, 340-348	6
199	Disentanglement of excited-state dynamics with implications for FRET measurements:	12
	two-dimensional electronic spectroscopy of a BODIPY-functionalized cavitand. 2018 , 9, 3694-3703	12

197	A general microwave synthesis of metal (Ni, Cu, Zn) selenide nanoparticles and their competitive interaction with human serum albumin. 2018 , 42, 5759-5766	7
196	FEster Energy Transfer in the Vicinity of Two Metallic Nanospheres (Dimer). <i>Plasmonics</i> , 2018 , 13, 873-88 3 .4	14
195	Energy transfer studies for the liquid and solid state materials of Rhodamine B and Styryl 7 Dye. 2018 , 154, 566-575	4
194	Single Molecule FRET Analysis of DNA Binding Proteins. 2018 , 1665, 217-239	2
193	FEster Resonance Energy Transfer Study of Cytochrome c-Lipid Interactions. <i>Journal of Fluorescence</i> , 2018 , 28, 79-88	4
192	An aptamer-mediated CdSe/ZnS QDs@graphene oxid composite fluorescent probe for specific detection of insulin. 2018 , 255, 2339-2346	28
191	Detection of protease activity by fluorescent protein FRET sensors: from computer simulation to live cells. 2018 , 6, 022001	13
190	A novel biosensor based on DNA hybridization for ultrasensitive detection of NOS terminator gene sequences. 2018 , 257, 538-544	7
189	FRET on lateral flow test strip to enhance sensitivity for detecting cancer biomarker. 2018, 176, 444-449	32
188	Fluorescence Resonance Energy Transfer (FRET) Spectroscopy. 2018 , 341-341	
188	Fluorescence Resonance Energy Transfer (FRET) Spectroscopy. 2018 , 341-341 Chemical physics in living cells Dsing light to visualize and control intracellular signal transduction 2018 , 31, 375-392	
	Chemical physics in living cells Dsing light to visualize and control intracellular signal	68
187	Chemical physics in living cells [Using light to visualize and control intracellular signal transduction[] 2018 , 31, 375-392	68
187 186	Chemical physics in living cells [Using light to visualize and control intracellular signal transduction [] 2018, 31, 375-392 Waveguide-integrated superconducting nanowire single-photon detectors. 2018, 7, 1725-1758	
187 186 185	Chemical physics in living cells [Using light to visualize and control intracellular signal transduction [] 2018, 31, 375-392 Waveguide-integrated superconducting nanowire single-photon detectors. 2018, 7, 1725-1758 Scaling up genetic circuit design for cellular computing: advances and prospects. 2018, 17, 833-853	35
187 186 185	Chemical physics in living cells Dsing light to visualize and control intracellular signal transduction 2018, 31, 375-392 Waveguide-integrated superconducting nanowire single-photon detectors. 2018, 7, 1725-1758 Scaling up genetic circuit design for cellular computing: advances and prospects. 2018, 17, 833-853 Protein Dynamics in Solution by Quantitative Crosslinking/Mass Spectrometry. 2018, 43, 908-920 Ultrafast Dynamics of Charge Transfer and Photochemical Reactions in Solar Energy Conversion.	35 34
187 186 185 184	Chemical physics in living cells [Using light to visualize and control intracellular signal transduction[] 2018, 31, 375-392 Waveguide-integrated superconducting nanowire single-photon detectors. 2018, 7, 1725-1758 Scaling up genetic circuit design for cellular computing: advances and prospects. 2018, 17, 833-853 Protein Dynamics in Solution by Quantitative Crosslinking/Mass Spectrometry. 2018, 43, 908-920 Ultrafast Dynamics of Charge Transfer and Photochemical Reactions in Solar Energy Conversion. 2018, 5, 1800221 Trafficking pathway between plasma membrane and mitochondria via clathrin-mediated	35 34 22

179	Ganoderma lucidum-derived polysaccharide enhances coix oil-based microemulsion on stability and lung cancer-targeted therapy. 2018 , 25, 1802-1810	10
178	Secondary inner filter effect allows extremely efficient pure white light emission by spatially separated organic fluorophores. 2018 , 54, 11479-11482	5
177	A novel system to quantify intestinal lipid digestion and transport. 2018 , 1863, 948-957	10
176	Optical and biomedical properties of eco-friendly metal nanostructures synthesized using Trigonella foenum-graecum leaf extract. 2018 , 8, 771-783	4
175	Nanosurface Energy Transfer from Long-Lifetime Terbium Donors to Gold Nanoparticles. 2018 , 122, 17566-17574	20
174	HIV Tat/P-TEFb Interaction: A Potential Target for Novel Anti-HIV Therapies. 2018 , 23,	16
173	Spatially Correlated, Single Nanomaterial-Level Structural and Optical Profiling of Cu-Doped ZnO Nanorods Synthesized via Multifunctional Silicides. 2018 , 8,	2
172	Fabrication of fluorescent biosensing platform based on graphene oxide-DNA and their application in biomolecule detection. 2018 , 106, 53-61	18
171	Real-time PCR applications for diagnosis of leishmaniasis. 2018 , 11, 273	59
170	Single-Molecule Fluorescence Applied to Translation. 2019 , 11,	13
170 169	Single-Molecule Fluorescence Applied to Translation. 2019 , 11, Recent advances in homogenous immunoassays based on resonance energy transfer. 2019 , 55, 16-22	13
169	Recent advances in homogenous immunoassays based on resonance energy transfer. 2019 , 55, 16-22	21
169 168	Recent advances in homogenous immunoassays based on resonance energy transfer. 2019 , 55, 16-22 A clinical role for Fister resonance energy transfer in molecular diagnostics of disease. 2019 , 19, 767-771 Fmoc-Dipeptide/Porphyrin Molar Ratio Dictates Energy Transfer Efficiency in Nanostructures	21
169 168 167	Recent advances in homogenous immunoassays based on resonance energy transfer. 2019 , 55, 16-22 A clinical role for Fister resonance energy transfer in molecular diagnostics of disease. 2019 , 19, 767-771 Fmoc-Dipeptide/Porphyrin Molar Ratio Dictates Energy Transfer Efficiency in Nanostructures Produced by Biocatalytic Co-Assembly. 2019 , 25, 11847-11851 Detachable nanoladders: A new method for signal identification and their application in the	21 13 10
169 168 167	Recent advances in homogenous immunoassays based on resonance energy transfer. 2019, 55, 16-22 A clinical role for Fister resonance energy transfer in molecular diagnostics of disease. 2019, 19, 767-771 Fmoc-Dipeptide/Porphyrin Molar Ratio Dictates Energy Transfer Efficiency in Nanostructures Produced by Biocatalytic Co-Assembly. 2019, 25, 11847-11851 Detachable nanoladders: A new method for signal identification and their application in the detection of ochratoxin A (OTA). 2019, 1087, 113-120 Enhancing the organic solar cell efficiency by combining plasmonic and Fister Resonance Energy	21 13 10
169 168 167 166	Recent advances in homogenous immunoassays based on resonance energy transfer. 2019, 55, 16-22 A clinical role for Fister resonance energy transfer in molecular diagnostics of disease. 2019, 19, 767-771 Fmoc-Dipeptide/Porphyrin Molar Ratio Dictates Energy Transfer Efficiency in Nanostructures Produced by Biocatalytic Co-Assembly. 2019, 25, 11847-11851 Detachable nanoladders: A new method for signal identification and their application in the detection of ochratoxin A (OTA). 2019, 1087, 113-120 Enhancing the organic solar cell efficiency by combining plasmonic and Fister Resonance Energy Transfer (FRET) effects. 2019, 438, 227031 Flow cytometry-based FRET identifies binding intensities in PPAR® protein-protein interactions in	21 13 10 17 4

161	Rationally Engineered Nucleic Acid Architectures for Biosensing Applications. 2019 , 119, 11631-11717	114
160	Plexcitonics [fundamental principles and optoelectronic applications. 2019 , 7, 1821-1853	51
159	Plasticity of dendritic spines: Molecular function and dysfunction in neurodevelopmental disorders. 2019 , 73, 541-550	35
158	In Situ Modification of the Tumor Cell Surface with Immunomodulating Nanoparticles for Effective Suppression of Tumor Growth in Mice. 2019 , 31, e1902542	34
157	A highly selective fluorescent probe for sensitive detection of HAV in water. 2019 , 11, 3350-3357	2
156	Reversible Photo-Switching of Dual-Color Fluorescent Mn-Doped CdS-ZnS Quantum Dots Modulated by Diarylethene Molecules. 2019 , 7, 145	8
155	Chirality in fluorescence and energy transfer. 2019 , 7, 032001	13
154	Fluorescent pH nanosensors: Design strategies and applications. 2019 , 39, 76-141	47
153	Integrative Structure Modeling: Overview and Assessment. 2019 , 88, 113-135	29
152	Ab Initio Derivation of the FRET Equations Resolves Old Puzzles and Suggests Measurement Strategies. 2019 , 116, 1313-1327	6
151	Using ultra-fast spectroscopy to probe the excited state dynamics of a reported highly efficient thermally activated delayed fluorescence chromophore. 2019 , 7, 4210-4221	12
150	On the mechanisms of non-radiative energy transfer between lanthanide ions: centrosymmetric systems. 2019 , 210, 342-347	22
149	Effects of DonorAcceptor Quantum Coherence and Non-Markovian Bath on the Distance Dependence of Resonance Energy Transfer. 2019 , 123, 5767-5775	7
148	A novel ultrasensitive and non-enzymatic "turn-on-off" fluorescence nanosensor for direct determination of glucose in the serum: As an alternative approach to the other optical and electrochemical methods. 2019 , 214, 459-468	11
147	The in vivo mechanics of the magnetotactic backbone as revealed by correlative FLIM-FRET and STED microscopy. 2019 , 9, 19615	6
146	A Software Tool for High-Throughput Real-Time Measurement of Intensity-Based Ratio-Metric FRET. 2019 , 8,	1
145	Nanocomposites Inhibit the Formation, Mitigate the Neurotoxicity, and Facilitate the Removal of Manyloid Aggregates in Alzheimer's Disease Mice. 2019 , 19, 674-683	85
144	Heating-induced abnormal increase in Yb3+ excited state lifetime and its potential application in lifetime luminescence nanothermometry. 2019 , 6, 110-116	25

143	A dual-modal fluorometric and colorimetric nanoprobe based on graphitic carbon nitrite quantum dots and Fe (II)-bathophenanthroline complex for detection of nitrite in sausage and water. 2020 , 312, 126089	18
142	Recent applications of FRET-based multiplexed techniques. 2020 , 123, 115777	19
141	FRET-based nucleic acid probes: Basic designs and applications in bioimaging. 2020 , 124, 115784	15
140	Theoretical investigation of non-Ffster exciton transfer mechanisms in perylene diimide donor, phenylene bridge, and terrylene diimide acceptor systems. 2020 , 153, 144305	5
139	Capturing Peptide-GPCR Interactions and Their Dynamics. 2020 , 25,	8
138	From children's toy to versatile sensor: One-step doping of Play-Doh with primary amino group for explosive detection both on surfaces and in solution. 2020 , 1128, 193-202	2
137	Upconversion nanoparticles coated with molecularly imprinted polymers for specific sensing. 2020 , 49, 17200-17206	3
136	In-Cell Detection of Conformational Substates of a G Protein-Coupled Receptor Quaternary Structure: Modulation of Substate Probability by Cognate Ligand Binding. 2020 , 124, 10062-10076	7
135	Energy Transfer in Metal@rganic Frameworks and Its Applications. 2020, 1, 2000019	13
134	End-to-End Distance Probability Distributions of Dilute Poly(ethylene oxide) in Aqueous Solution. 2020 , 142, 19631-19641	7
133	Proposal for simultaneous analysis of fluorescence intensity fluctuations and resonance energy transfer (IFRET) measurements. 2020 , 8, 035011	4
132	Examples and applications. 2020 , 181-193	
131	Biologically synthesized ZnS quantum dots as fluorescent probes for lead (II) sensing. 2020 , 35, 1328-1337	6
130	Bibliography. 2020 , 219-222	
129	Liquid biopsies for early cancer detection. 2020 , 233-259	1
128	Panmicrobial Microarrays. 2020 , 95-119	1
127	Multifunctional Nanomodulators Regulate Multiple Pathways To Enhance Antitumor Immunity 2020 , 3, 4635-4642	9
126	Assessing the range of enzymatic and oxidative tunability for biosensor design. 2020 , 8, 3460-3487	4

(2021-2020)

125	Integrating Non-NMR Distance Restraints to Augment NMR Depiction of Protein Structure and Dynamics. 2020 , 432, 2913-2929	9
124	Advances in functional nucleic acid based paper sensors. 2020 , 8, 3213-3230	24
123	Nanoscale Surface-Induced Unfolding of Single Fibronectin Is Restricted by Serum Albumin Crowding. 2020 , 11, 1170-1177	5
122	Imaging Mitochondrial Functions: from Fluorescent Dyes to Genetically-Encoded Sensors. 2020 , 11,	18
121	Plasmon-emitter interactions at the nanoscale. 2020 , 11, 366	38
120	Heterodyned photoacoustic effect generated by irradiation of single particles by two laser beams modulated at different frequencies. 2020 , 106, 106157	O
119	Fluorescence resonance energy transfer (FRET) as biomarkers. 2021 , 46, 6301-6303	О
118	Energy transduction through FRET in self-assembled soft nanostructures based on surfactants/polymers: current scenario and prospects. 2021 , 17, 425-446	4
117	Benzanthrone dyes as mediators of cascade energy transfer in insulin amyloid fibrils. 2021 , 324, 115102	10
116	Optical Biosensors for Virus Detection: Prospects for SARS-CoV-2/COVID-19. 2021 , 22, 1176-1189	51
115	Three-step FEster resonance energy transfer on an amyloid fibril scaffold. 2021 , 23, 14746-14754	7
114	Mitochondria targeted composite enzyme nanogels for synergistic starvation and photodynamic therapy. 2021 , 13, 17737-17745	2
113	Sulfonatocalix[4]arene-based light-harvesting amphiphilic supramolecular assemblies for sensing sulfites in cells. 2021 , 9, 1958-1965	14
112	Tetraphenylethene probe based fluorescent silica nanoparticles for the selective detection of nitroaromatic explosives. 2021 , 13, 825-831	11
111	Temperature Driven Plasmon-Exciton Coupling in Thermoresponsive Dextran-Graft-PNIPAM/Au Nanoparticle/CdTe Quantum Dots Hybrid Nanosystem. <i>Plasmonics</i> , 2021 , 16, 1137-1150	3
110	Long-lived lanthanide emission a pH-sensitive and switchable LRET complex. 2021 , 12, 8740-8745	1
109	Highly selective detection of nitroaromatic explosive 2,4,6-trinitrophenol (TNP) using N-doped carbon dots. 2021 , 47, 2421	4
108	Fister Resonance Energy Transfer and the Local Optical Density of States in Plasmonic Nanogaps. 2021 , 12, 1507-1513	3

107	Measurement of Protein Mobility in Reveals a Unique Tolerance to Osmotic Stress and Temperature Dependence of Diffusion. 2021 , 12, 640149	3
106	DNA Manipulation and Single-Molecule Imaging. 2021 , 26,	2
105	Interfaces with Structure Dynamics of the Workhorses from Cells Revealed through Cross-Linking Mass Spectrometry (CLMS). 2021 , 11,	1
104	Transportation of AIE-visualized nanoliposomes is dominated by the protein corona. 2021 , 8, nwab068	2
103	Effect of the Molecular Conformation on Excitation Energy Transfer in Conformationally Constrained Boryl-BODIPY Dyads. 2021 , 60, 5452-5462	2
102	Grating-coupled surface-plasmon fluorescence DNA sensor. 2021 , 127, 1	2
101	Dielectric Spectroscopy Based Detection of Specific and Nonspecific Cellular Mechanisms. 2021 , 21,	2
100	Optical recording of brain functions based on voltage-sensitive dyes. 2021 , 32, 1879-1887	2
99	A Chiral Lanthanide Tag for Stable and Rigid Attachment to Single Cysteine Residues in Proteins for NMR, EPR and Time-Resolved Luminescence Studies. 2021 , 27, 13009-13023	9
98	Nanomaterial-Based Fluorescence Resonance Energy Transfer (FRET) and Metal-Enhanced Fluorescence (MEF) to Detect Nucleic Acid in Cancer Diagnosis. 2021 , 9,	4
97	Methods, principles and applications of optical detection of metal ios. 2021 , 417, 129125	11
96	Red fluorescent nanoprobe based on Ag@Au nanoparticles and graphene quantum dots for HO determination and living cell imaging. 2021 , 188, 291	O
95	Targeted Delivery of Doxorubicin Using Transferrin-Conjugated Carbon Dots for Cancer Therapy 2021 , 4, 7280-7289	4
94	The systemic characterization of aptamer cocktail for bacterial detection studied by graphene oxide-based fluorescence resonance energy transfer aptasensor. 2021 , 34, e2934	1
93	Exploiting Complex Fluorophore Interactions to Monitor Virus Capsid Disassembly. 2021 , 26,	0
92	Graphene oxide-based fluorescent biosensors and their biomedical applications in diagnosis and drug discovery. 2021 , 57, 9820-9833	5
91	Developing Analysis Protocols for Monitoring Intracellular Oxygenation Using Fluorescence Lifetime Imaging of Myoglobin-mCherry. 2021 , 2304, 315-337	
90	Modeling Membrane Domains. 71-84	1

(2009-2005)

89	Luminescence Lifetime-Based Imaging of Sensor Arrays for High-Throughput Screening Applications. 2005 , 45-92	4
88	Single-Molecule FRET: Methods and Biological Applications. 2009 , 129	2
87	Characterization of Lipid Order and Domain Formation in Model Membranes Using Fluorescence Microscopy and Spectroscopy. 2021 , 2187, 271-282	1
86	Fluorescence Detection Techniques. 2009 , 65-118	4
85	Monitoring Integrated Activity of Individual Neurons Using FRET-Based Voltage-Sensitive Dyes. 2010 , 61-70	3
84	Single-molecule fluorescence studies of protein folding. 2009 , 490, 311-37	14
83	The use of FRET in the analysis of motor protein structure. 2007 , 392, 183-97	8
82	Functional studies of DNA-protein interactions using FRET techniques. 2009 , 543, 475-502	17
81	Protein P rotein Interactions. 2008 , 463-494	3
80	FEster resonance energy transfer methods for quantification of protein-protein interactions on microarrays. 2011 , 723, 303-20	15
79	Exploring the structural dynamics of the translational machinery using single-molecule fluorescence resonance energy transfer. 2011 , 273-293	1
78	Fluoride Nanoparticles for Biomedical Applications. 2020 , 135-174	3
77	Chapter 5:Single-molecule FRET Analysis of the Path from Transcription Initiation to Elongation. 2009 , 115-156	1
76	Minimal DNA Electron Transfer Catalysts Switched by a Chaotropic Ion.	2
75	Bacterial Toxin-Antitoxin Systems as Targets for the Development of Novel Antibiotics. 313-329	9
74	Green Fluorescent Proteins and Their Applications to Cell Biology and Bioelectronics. 2003,	1
73	FRET-Based Determination of Protein Complex Structure at Nanometer Length Scale in Living Cells. 2010 , 13-1-13-18	6
72	The Spectroscopy of Ions Stored in Trapping Mass Spectrometers. 2009 , 239-290	4

71	Nanotechnology Applications for Infectious Diseases. 2013 , 1-84	2
70	Quantum dipole emitters in structured environments: a scattering approach: tutorial. 2019 , 36, 186-195	11
69	Reduction of fluorescence resonance energy transfer by space control between quantum dots via direct bonding of reactive ligands to the polymer matrix for color conversion films. 2019 , 36, 1479	3
68	Studying the salt dependence of the binding of sigma70 and sigma32 to core RNA polymerase using luminescence resonance energy transfer. 2009 , 4, e6490	12
67	Naturally occurring precore/core region mutations of hepatitis B virus genotype C related to hepatocellular carcinoma. 2012 , 7, e47372	46
66	Comprehensive analysis of LANA interacting proteins essential for viral genome tethering and persistence. 2013 , 8, e74662	22
65	Quantifying the efficiency of various FRET constructs using OptiMiSII 2012 , 52, 191-195	3
64	Hepatitis B virus preS1 deletion is related to viral replication increase and disease progression. 2015 , 21, 5039-48	13
63	Lectin Functionalization by Post-Photo Affinity Labeling Modification (P-PALM). 2007, 19, 121-131	1
62	Open Sandwich FRET Immunoassay of Estrogen Receptor # n a PDMS Microfluidic Channel. 2008 , 29, 1297-1298	6
61	Development of a FRET-based High-Throughput Screening System for the Discovery of Hsp90 Inhibitors. 2011 , 32, 3229-3232	2
60	A Series of 3D Lanthanide Complexes Containing (La(III), Sm(III) and Gd(III)) Metal-organic Frameworks: Synthesis, Structure, Characterization and Their Luminescent Properties. 2012 , 33, 3777-3787	3
59	Open-Source Fluorescence Spectrometer for Noncontact Scientific Research and Education.	0
58	Enzyme Therapeutic for Ischemia and Reperfusion Injury in Organ Transplantation. 2021 , e2105670	1
57	Controlled Self-Assembly of DNA-Mimicking Nanotubes to Form a Layer-by-Layer Scaffold for Homeostatic Tissue Constructs. 2021 , 13, 51321-51332	1
56	Fluorescence Enhancement From a Periodic Array of Sub-Wavelength Metallic Cavities. 2003,	
55	Conformational Structure and Dynamics from Single-Molecule FRET. 2009, 73-100	
54	In Vivo Fluorescence Lifetime Detection of a Cathepsin-Activatable Probe in Infarcted Myocardium. 2012 ,	

53	Electronically excited states and photodynamics: a continuing challenge. 2012, 147-160	1
52	Spectroscopic study of laser irradiated chromatin. 2013 , 9-14	
51	Picometer-Scale Dynamical Single-Molecule Imaging by High-Energy Probe. 2013 , 209-234	
50	Proteases in Apoptosis: Protocols and Methods. 2015 , 143-202	0
49	Aqueous-Based Photocurrent Generation by Fluorescence Resonance Energy Transfer between Conjugated Oligoelectrolytes and Erythrosin B. 2015 , 39, 353-358	
48	Recent Development of In Vivo Cryotechnique to Cryobiopsy for Living Animals. 2016 , 255-259	
47	FRETBursts: An Open Source Toolkit for Analysis of Freely-Diffusing Single-Molecule FRET.	
46	Ab initio derivation of the FRET equations resolves old puzzles and suggests measurement strategies.	
45	Plasmon resonance energy transfer and research progress in plasmon-enhanced photocatalysis. 2019 , 68, 147301	1
44	Three-Step Resonance Energy Transfer in Insulin Amyloid Fibrils. 2019,	
43	Quantum Corrections in Plasmonics and Plasmon Emitter Interactions. 2020, 157-202	
42	In-cell detection of conformational sub-states of a GPCR quaternary structure: Modulation of sub-state probability by cognate ligand binding.	
41	Recent Advances in Ternary Organic Solar Cells Based on Flster Resonance Energy Transfer. 2021 , 5, 2100496	3
40	A homogeneous time-resolved fluorometric energy transfer assay for the binding assessment of FcRn with IgG antibodies. 2021 , 499, 113180	O
39	Photophysical Mechanisms of Signal Transduction in Sensing. 2020 , 111-166	
38	Fluorescence Detection in Sensor Technologies. 2020 , 55-110	
37	Cascade Energy Transfer in Insulin Amyloid Fibrils Doped by Thioflavin T, Benzanthrone and Squarine Dyes. 2020 ,	
36	Molecular Dynamics Simulation of the Interaction Between Benzanthrone Dye and Model Lipid Membranes. 2020 ,	1

A Simple Method to Dual Site-Specifically Label a Protein Using Tryptophan 35 Auxotrophic Escherichia coli. A rapid method for manual or automated purification of fluorescently labeled nucleic acids for 34 sequencing, genotyping, and microarrays. 2003, 14, 17-32 Design of novel tripyridinophane-based Eu(III) complexes as efficient luminescent labels for 2 33 bioassay applications. 2021, Two-colour single-molecule photoinduced electron transfer fluorescence imaging microscopy of chaperone dynamics. 2021, 12, 6964 Highly selective fluorescence probe for imidacloprid measurement based on fluorescence 31 3 resonance energy transfer. **2022**, 175, 107172 Preparation and Evaluation of Multistage Delivery Nanoparticle for Efficient CRISPR Activation In 30 0.3 Vivo. Biomaterial Engineering, 2021, 1-27 Oxygen self-supplied enzyme nanogels for tumor targeting with amplified synergistic starvation 29 1 and photodynamic therapy.. 2022, Complex pH-Dependent Interactions between Weak Polyelectrolyte Block Copolymer Micelles and 28 Molecular Fluorophores.. 2022, Design of New High Energy Near Field Nanophotonic Materials for Far Field Applications. 0.4 27 Engineering Materials, 2022, 859-920 From Ensemble FRET to Single-Molecule Imaging: Monitoring Individual Cellular Machinery in 26 Action. 2022, 113-142 Selective and Sensitive Fluorometric Determination of Piroxicam Based on Nitrogen-doped Graphene Quantum Dots and Gold Nanoparticles Coated with Phenylalanine.. Journal of 25 2.4 1 Fluorescence, **2022**, 1 Quantitative Investigation of the Morphologically Corrugated CVD-Grown Graphene Monolayer 2.4 24 Surface with a Nanoparticle-on-Mirror System. *Plasmonics*, 1 Luminescence Lifetime-Based Imaging of Sensor Arrays for High-Throughput Screening 23 Applications. 2005, 45-92 Data_Sheet_1.pdf. 2019, 22 Preparation and Evaluation of Multistage Delivery Nanoparticle for Efficient CRISPR Activation In 0.3 2.1 Vivo. Biomaterial Engineering, 2022, 155-180 New insight into the mechanism of DNA polymerase I revealed by single-molecule FRET studies of 20 1.2 Klenow Fragment. Chinese Physics B, Nanoarchitectured manganese dioxide (MnO2)-based assemblies for biomedicine. Coordination 19 23.2 0 Chemistry Reviews, 2022, 464, 214540 Functionalization of insulin nanofibrils with fluorophores involved in cascade Fister resonance 18 4.6

energy transfer. Molecular Systems Design and Engineering,

CITATION REPORT

17	Analysis of Enzyme Conformation Dynamics Using Single-Molecule Fister Resonance Energy Transfer (smFRET). <i>Biophysica</i> , 2022 , 2, 123-134		1
16	Bioinspired Self-assembly Nanochaperone Inhibits Tau-Derived PHF6 Peptide Aggregation in Alzheimer Disease. <i>Chinese Journal of Polymer Science (English Edition)</i> ,	3.5	О
15	Isolated Variable Domains of an Antibody Can Assemble on Blood Coagulation Factor VIII into a Functional Fv-like Complex. 2022 , 23, 8134		
14	Nanoarchitectured assembly and surface of two-dimensional (2D) transition metal dichalcogenides (TMDCs) for cancer therapy. 2022 , 472, 214765		1
13	Genetically encoded fluorescent unnatural amino acids and FRET probes for detecting deubiquitinase activities. 2022 , 58, 10186-10189		О
12	Liquid Interface Self-Assembly of Colloidal Nanoplatelets for Optoelectronics. 2022, 45-71		O
11	Bioresponsive Nanomaterials for CNS Disease. 2022 , 189-227		0
10	Rare earth-based MOF for photo/electrocatalysis.		O
9	Quantum Mechanical Analysis of Excitation Energy Transfer Couplings in Photosystem II. 2023,		О
8	Plasmon-enhanced fluorescence resonance energy transfer in different nanostructures and nanomaterials. 2023 , 30, 101731		O
7	Proteolytic Biosensors with Functional Nanomaterials: Current Approaches and Future Challenges. 2023 , 13, 171		О
6	Design and Mechanism of Rare-Earth Singlet Oxygen Sensing: An Experimental and Quantum Chemical Approach. 2023 , 127, 1130-1140		O
5	Contribution of smFRET to Chromatin Research. 2023 , 3, 93-108		О
4	A Review on Forced Degradation Strategies to Establish the Stability of Therapeutic Peptide Formulations. 2023 , 29,		O
3	Research on photocatalytic CO2 conversion to renewable synthetic fuels based on localized surface plasmon resonance: current progress and future perspectives. 2023 , 13, 1932-1975		О
2	Embryo mechanics cartography: inference of 3D force atlases from fluorescence microscopy.		O
1	Principles and Applications of Resonance Energy Transfer Involving Noble Metallic Nanoparticles. 2023 , 16, 3083		0