

CITATION REPORT

List of articles citing

Synthesis of a terbium fluorescent chelate and its application to time-resolved fluoroimmunoassay

DOI: 10.1021/ac0013305

Analytical Chemistry, 2001, 73, 1869-76.

Source: <https://exaly.com/paper-pdf/32382673/citation-report.pdf>

Version: 2024-04-26

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
208	Long-wavelength long-lifetime luminophores. <i>Analytical Chemistry</i> , 2001 , 73, 4277-85	7.8	49
207	Immunoassay by graphite furnace atomic absorption spectrometry using a metal chelate as a label. 2001 , 448, 165-172		25
206	Time-Resolution in Fluorometry Technologies, Labels, and Applications in Bioanalytical Assays. 2001 , 38, 441-519		245
205	Long-wavelength-emitting nanocrystals for bioassay applications. 2002 ,		
204	A homogeneous DNA hybridization system by using a new luminescence terbium chelate. 2002 , 13, 200-5		46
203	Lanthanide complexes of polycarboxylate-bearing dipyrazolylpyridine ligands with near-unity luminescence quantum yields: the effect of pyridine substitution. 2002 , 1, 613-8		61
202	The synthesis of 4?-aryl substituted terpyridines by Suzuki cross-coupling reactions: substituent effects on ligand fluorescence. 2002 , 1669-1681		77
201	Energy transfer in solution of lanthanide complexes. 2002 , 150, 233-247		161
200	Sensitive time-resolved fluoroimmunoassay for simultaneous detection of serum thyroid-stimulating hormone and total thyroxin with Eu and Sm as labels. 2003 , 314, 87-96		39
199	Novel flashlamp-based time-resolved fluorescence microscope reduces autofluorescence for 30-fold contrast enhancement in environmental samples. 2003 , 4964, 14		3
198	Structure and Luminescence Properties of the Tetradentate Diketonate Europium(III) Complexes. 2003 , 32, 492-493		40
197	Spectrofluorimetric Determination of Human Serum Albumin Using a Tetracycline Europium Complex. 2004 , 37, 1129-1137		10
196	Flash lamp-excited time-resolved fluorescence microscope suppresses autofluorescence in water concentrates to deliver an 11-fold increase in signal-to-noise ratio. 2004 , 9, 725-34		39
195	POTENTIAL APPLICATIONS FOR THE USE OF LANTHANIDE COMPLEXES AS LUMINESCENT BIOLABELS. 2004 , 361-432		45
194	Gold Nano-Antennas for Increasing Luminescence. 2004 , 16, 2163-2166		26
193	Time-resolved fluorescence microscopy using an improved europium chelate BHHST for the in situ detection of Cryptosporidium and Giardia. 2004 , 64, 312-22		32
192	Synthesis and luminescence properties of lanthanide(III) chelates with polyacid derivatives of thienyl-substituted terpyridine analogues. 2004 , 106, 91-101		22

191	Spectrofluorimetric determination of human serum albumin using a doxycycline-Europium probe. 2004 , 506, 171-175		58
190	Lysozyme enhanced europium-metacycline complex fluorescence: a new spectrofluorimetric method for the determination of lysozyme. 2004 , 511, 11-16		40
189	Preparation, characterization, and time-resolved fluorometric application of silica-coated terbium(III) fluorescent nanoparticles. <i>Analytical Chemistry</i> , 2004 , 76, 513-8	7.8	187
188	Preparation and Time-Resolved Fluorometric Application of Luminescent Europium Nanoparticles. 2004 , 16, 2494-2498		90
187	Mosaic DNA chip fabrication and its time-resolved fluorescence detection. 2004 ,		1
186	Preparation and a time-resolved fluoroimmunoassay application of new europium fluorescent nanoparticles. 2004 , 20, 245-6		40
185	Lysozyme-enhanced europium(III)-metacycline luminescence and its application to the determination of metacycline. 2005 , 21, 541-4		4
184	Fluorimetric study of the interaction between human serum albumin and quinolones-terbium complex and its application. 2005 , 61, 2909-14		22
183	Spectrofluorimetric determination of heparin using doxycycline-Europium probe. 2005 , 113, 305-313		14
182	Spectrofluorimetric determination of heparin using a tetracycline-europium probe. 2005 , 341, 299-307		41
181	Fluorimetric study of the interaction between nicotinamide adenine dinucleotide phosphate and tetracycline-Europium complex and its application. 2005 , 549, 26-31		11
180	The synthesis and coordination chemistry of 2,6-bis(pyrazolyl)pyridines and related ligands □ Versatile terpyridine analogues. 2005 , 249, 2880-2908		279
179	Synthesis and fluorescence properties of the europium(III) chelate of a polyacid derivative of terpyridine. 2005 , 20, 347-51		10
178	High-performance fluorescent particles prepared via miniemulsion polymerization. 2005 , 285, 619-26		59
177	Preparation, characterization and application of fluorescent terbium complex-doped zirconia nanoparticles. 2005 , 15, 499-505		35
176	Lanthanide complex-based fluorescence label for time-resolved fluorescence bioassay. 2005 , 15, 559-68		135
175	Fluorimetric Study of the Interaction Between Heparin and Norfloxacin-Terbium Complex and its Application. 2005 , 38, 167-178		4
174	BHHST: An improved lanthanide chelate for time-resolved fluorescence applications. 2005 , 5704, 93		2

173	Rare Earth Luminescent Centers in Organic and Biochemical Compounds. 2005 , 462-499	22
172	Synthesis and time-resolved fluorimetric application of a europium chelate-based phosphorescence probe specific for singlet oxygen. 2005 , 29, 1431	34
171	Novel Fluorophores. 2006 , 675-703	2
170	Highly sensitive spectrofluorimetric determination of trace amounts of lecithin using a norfloxacin-terbium probe. 2006 , 368, 144-8	6
169	New luminescent europium(III) chelates for DNA labeling. 2006 , 45, 4088-96	102
168	Anion Sensing with Luminescent Tris(βdiketonato)europium(III) Complexes and Naked-Eye Detection of Fluoride Anion. 2006 , 79, 725-730	23
167	A novel luminescence analyser for europium chelates using solid-state excitation and a gated photomultiplier. 2006 , 6371, 129	
166	Inorganic phosphate nanorods are a novel fluorescent label in cell biology. 2006 , 4, 11	49
165	A disposable electrochemical immunosensor for flow injection immunoassay of carcinoembryonic antigen. 2006 , 22, 102-8	158
164	Application of a lanthanide fluorescent chelate label for detection of single-nucleotide mutations with peptide nucleic acid probes. 2006 , 355, 278-84	12
163	Spectrofluorimetric determination of lecithin using a tetracycline-Europium probe. 2006 , 561, 204-209	13
162	Spectrofluorimetric determination of trace heparin using lomefloxacin-terbium probe. 2006 , 63, 241-6	15
161	Highly sensitive spectrofluorimetric determination of trace amounts NADP using Europium ion-doxycycline complex probe. 2006 , 65, 62-6	12
160	Spectrofluorimetric determination of trace amount of coenzyme II using ciprofloxacin-terbium complex as a fluorescent probe. 2006 , 118, 186-192	7
159	Lanthanide-based luminescence probes and time-resolved luminescence bioassays. 2006 , 25, 490-500	167
158	Luminescent nanomaterials for biological labelling. 2006 , 17, R1-R13	474
157	Highly sensitive spectrofluorimetric determination of trace amounts of lecithin. 2006 , 385, 861-5	3
156	A new terbium(III) chelate as an efficient singlet oxygen fluorescence probe. 2006 , 40, 1644-53	38

155	Spectrofluorimetric Determination of Lecithin in Serum Samples Using Enoxacine-Terbium Probe. 2007 , 40, 1037-1045		2
154	Supramolecularly Organized Lanthanide Complexes for Efficient Metal Excitation and Luminescence as Sensors in Organic and Biological Applications. 2007 , 1, 11-39		37
153	Supramolecularly Organized Lanthanide Complexes for Efficient Metal Excitation and Luminescence as Sensors in Organic and Biological Applications. 2007 , 1, 11-39		63
152	Multiple fluorescent labeling of silica nanoparticles with lanthanide chelates for highly sensitive time-resolved immunofluorometric assays. 2007 , 53, 1503-10		55
151	Spectrofluorimetric determination of bile acid using a europium-doxycycline probe. 2007 , 21, 207-12		8
150	Practical time-gated luminescence flow cytometry. I: concepts. 2007 , 71, 783-96		20
149	Synthesis of 2,6-di(pyrazol-1-yl)-4-bromomethylpyridine, and its conversion to other 2,6-di(pyrazol-1-yl)pyridines substituted at the pyridine ring. 2007 , 63, 291-298		32
148	A novel amperometric immunosensor based on layer-by-layer assembly of gold nanoparticles-multi-walled carbon nanotubes-thionine multilayer films on polyelectrolyte surface. 2007 , 603, 205-13		111
147	Emission efficiency of diamine derivatives of tris[4,4,4-trifluoro-1-(2-thienyl)-1,3-butanediono]europium. 2007 , 67, 1326-32		17
146	Chapter 234 Lanthanide Chelates as Luminescent Labels in Biomedical Analyses. <i>Fundamental Theories of Physics</i> , 2007 , 37, 171-216	0.8	13
145	Spectrofluorimetric determination of trace amounts of coenzyme A using a terbium ion-ciprofloxacin complex probe in the presence of periodic acid. 2007 , 387, 2083-9		10
144	A Rapid and Highly Selective Resonance Scattering Spectral Assay for Trace Carcinoembryonic Antigen. 2008 , 26, 2297-2301		6
143	Channel-resolved multianalyte immunosensing system for flow-through chemiluminescent detection of alpha-fetoprotein and carcinoembryonic antigen. 2008 , 23, 1063-9		76
142	Determination of adenosine disodium triphosphate using prulifloxacin-terbium(III) as a fluorescence probe by spectrofluorimetry. 2008 , 610, 257-62		46
141	Electrochemical immunoassay of carcinoembryonic antigen based on a lead sulfide nanoparticle label. 2008 , 19, 435501		17
140	Microplate Chemiluminescence Enzyme Immunoassay for the Determination of Carcinoembryonic Antigen in Human Serum. 2008 , 36, 1056-1060		5
139	Label-free ultra-sensitive detection of atrazine based on nanomechanics. 2008 , 19, 235502		47
138	Advances in the synthesis of 4-aryl- and 4-hetarylpyridines. 2008 , 77, 1055-1077		4

137	Time-resolved luminescence microscopy of bimetallic lanthanide helicates in living cells. 2008 , 6, 4125-33	87
136	Two color RNA intercalating probe for cell imaging applications. 2008 , 130, 7182-3	132
135	Functionalized europium nanorods for in vitro imaging. 2008 , 47, 5190-6	68
134	In situ amplified electrochemical immunoassay for carcinoembryonic antigen using horseradish peroxidase-encapsulated nanogold hollow microspheres as labels. <i>Analytical Chemistry</i> , 2008 , 80, 8064-70 ⁸	189
133	Highly Sensitive Spectrofluorimetric Determination of Trace Amounts of Superoxide Dismutase Using a Prulifloxacin-Terbium(III) Probe. 2008 , 41, 2424-2436	4
132	Enhancement of fluorescence intensity from an immunoassay chip using high-aspect-ratio nanopillars fabricated by nanoimprinting. 2008 , 93, 033904	21
131	Rapid Determination of Minocycline in Pharmaceutical Formulations and Human Urine/Serum Samples Based on the Minocycline-Europium-Sodium Dodecylbenzene Sulfonate Luminescence System. 2009 , 42, 228-242	6
130	Comparison of Immobilization Modes in pH-Sensitive Phase Separation Immunoassay. 2009 , 27, 2190-2196	2
129	A new strategy for highly sensitive immunoassay based on single-particle mode detection by inductively coupled plasma mass spectrometry. 2009 , 20, 1096-103	79
128	Iron(II) complexes of 2,6-di(pyrazol-1-yl)pyridines: A versatile system for spin-crossover research. 2009 , 253, 2493-2514	275
127	Disposable electrochemical immunosensor for carcinoembryonic antigen using ferrocene liposomes and MWCNT screen-printed electrode. 2009 , 24, 1984-9	129
126	A rapid and simple method for ultrasensitive electrochemical immunoassay of protein by an electric field-driven strategy. 2009 , 644, 36-41	14
125	Determination of Coenzyme II Using Balofloxacin-Terbium(III) as a Fluorescence Probe by Spectrofluorometry. 2009 , 42, 2293-2308	
124	Carbon nanoparticle-enhanced immunoelectrochemical detection for protein tumor marker with cadmium sulfide biotracers. <i>Analytical Chemistry</i> , 2009 , 81, 1340-6	7.8 131
123	Bioconjugation with stable luminescent lanthanide(III) chelates comprising pyridine subunits. 2009 , 20, 404-21	70
122	Luminescent Silica Core / Silver Shell Encapsulated with Eu(III) Complex. 2009 , 113, 19404-19410	61
121	pH Dependence of the Photoluminescence of Eu ³⁺ -Intercalated Layered Titanium Oxide. 2009 , 113, 1896-1900	15
120	Highly Sensitive Spectrofluorimetric Determination of Trace Amounts of Folic Acid using a Oxytetracycline-Terbium(III) Probe. 2009 , 42, 178-189	5

119	Synthesis and Characterization of Photoluminescent Eu(III) Coordination Halloysite Nanotube-Based Nanohybrids. 2009 , 113, 16238-16246		46
118	Simple and sensitive spectrofluorometric method for the determination of protein using an europium-thenoyltrifluoroacetone probe. 2009 , 25, 1237-42		3
117	Sodium dodecyl sulfate polyacrylamide slab gel electrophoresis and hydroxyethyl cellulose gel capillary electrophoresis of luminescent lanthanide chelate-labeled proteins with time-resolved detection. 2009 , 25, 327-32		16
116	Spectrofluorometric determination of total bilirubin in human serum samples using tetracycline-Eu ³⁺ . 2010 , 26, 785-9		10
115	Fe ₃ O ₄ nanoparticles-loaded PEG-PLA polymeric vesicles as labels for ultrasensitive immunosensors. 2010 , 31, 7332-9		73
114	Dumbbell-like Au-Fe ₃ O ₄ nanoparticles as label for the preparation of electrochemical immunosensors. 2010 , 26, 627-31		83
113	Time-resolved microscopy for imaging lanthanide luminescence in living cells. 2010 , 77, 1113-25		62
112	A disposable electrochemical immunosensor for carcinoembryonic antigen based on nano-Au/multi-walled carbon nanotubes-chitosans nanocomposite film modified glassy carbon electrode. 2010 , 659, 102-8		209
111	Ultrasensitive immunosensor for the detection of cancer biomarker based on graphene sheet. 2010 , 26, 560-5		107
110	Development of a novel terbium chelate-based luminescent chemosensor for time-resolved luminescence detection of intracellular Zn ²⁺ ions. 2010 , 26, 1043-8		39
109	. 2010 ,		1
108	Sensitive detection of acrolein in serum using time-resolved luminescence. 2010 , 12, 1704-7		18
107	Amperometric immunosensor for carcinoembryonic antigen in colon cancer samples based on monolayers of dendritic bipodal scaffolds. <i>Analytical Chemistry</i> , 2010 , 82, 1712-9	7.8	82
106	Noncompetitive immunoassay for carcinoembryonic antigen in human serum by microchip electrophoresis for cancer diagnosis. 2010 , 411, 1058-62		31
105	Immunosensor for the detection of cancer biomarker based on percolated graphene thin film. 2010 , 46, 5796-8		56
104	Assembly of folate-polyoxometalate hybrid spheres for colorimetric immunoassay like oxidase. 2011 , 47, 2940-2		54
103	Nanoparticle labelling-based magnetic immunoassay on chip combined with electrothermal vaporization-inductively coupled plasma mass spectrometry for the determination of carcinoembryonic antigen in human serum. 2011 , 136, 3934-42		42
102	Development of a terbium complex-based luminescent probe for imaging endogenous hydrogen peroxide generation in plant tissues. <i>Analytical Chemistry</i> , 2011 , 83, 4163-9	7.8	54

101	Time-gated luminescence microscopy allowing direct visual inspection of lanthanide-stained microorganisms in background-free condition. <i>Analytical Chemistry</i> , 2011 , 83, 2294-300	7.8	103
100	A Renewable Amperometric Immunosensor for hs-CRP Based on Functionalized Fe ₃ O ₄ @Au Magnetic Nanoparticles Attracted on Fe (III) Phthalocyanine/Chitosan-Membrane Modified Screen-Printed Carbon Electrode by a Magnet. 2011 , 110-116, 519-526		5
99	Graphene-Prussian blue/gold nanoparticles based electrochemical immunoassay of carcinoembryonic antigen. 2011 , 3, 2082		20
98	Rapid europium-sensitized fluorescent determination of ulifloxacin, the active metabolite of prulifloxacin, in human serum and urine. 2011 , 1, 46-50		5
97	Luminescent Lanthanide Labels. 2011 , 1, 2-16		20
96	Sensitive electrochemical immunosensor based on enlarged and surface charged gold nanoparticles mediated electron transfer. 2011 , 160, 471-474		21
95	Gold nanoparticle/DNA/methylene blue nanocomposites for the ultrasensitive electrochemical detection of carcinoembryonic antigen. 2011 , 56, 9386-9390		31
94	Electrochemiluminescence immunoassay at a nanoporous gold leaf electrode and using CdTe quantum dots as labels. 2011 , 172, 285-290		27
93	Demonstration of true-color high-contrast microorganism imaging for terbium bioprobes. 2011 , 79, 392-7		10
92	Spectrofluorimetric determination of bilirubin in serum samples. 2011 , 26, 54-8		10
91	Magnetic electrochemiluminescent Fe ₃ O ₄ /CdSe-CdS nanoparticle/polyelectrolyte nanocomposite for highly efficient immunosensing of a cancer biomarker. 2011 , 17, 641-8		79
90	Electrochemical immunosensors for cancer biomarker with signal amplification based on ferrocene functionalized iron oxide nanoparticles. 2011 , 26, 3590-5		114
89	Amperometric immunosensor for carcinoembryonic antigen detection with carbon nanotube-based film decorated with gold nanoclusters. 2011 , 414, 70-6		67
88	Background-free cytometry using rare earth complex bioprobes. 2011 , 102, 479-513		8
87	Lanthanide Complex-Polyethylenimine Conjugate: A Highly Luminescent Probe for Time-Resolved Fluorescence Analysis. 2011 , 108, 212-216		
86	- Label-Free Electrochemical Sensing of DNA Hybridization for Cancer Analysis. 2012 , 696-717		
85	The application of CdTe/CdS in the detection of carcinoembryonic antigen by fluorescence polarization immunoassay. 2012 , 22, 1571-9		15
84	Ultrasensitive detection of carcinoembryonic antigen based on electrochemiluminescence quenching of Ru(bpy) ₃ ²⁺ by quantum dots. 2012 , 171-172, 803-809		17

83	Application of indium tin oxide device in gold-coated magnetic iron solid support enhanced electrochemiluminescent immunosensor for determination of carcinoma embryonic antigen. 2012 , 171-172, 891-898	24
82	Enzyme-nanoparticle conjugates at oil-water interface for amplification of electrochemical immunosensing. 2012 , 33, 288-92	19
81	Spectrofluorimetric study of the interaction between europium(III) and moxifloxacin in micellar solution and its analytical application. 2012 , 86, 375-80	14
80	Design and synthesis of a terbium(III) complex-based luminescence probe for time-gated luminescence detection of mercury(II) ions. 2012 , 22, 261-7	21
79	Determination of heparin using terbium-danofloxacin as a luminescent probe. 2013 , 80, 104-110	6
78	Ultrasensitive electrochemical immunoassay for carcinoembryonic antigen based on three-dimensional macroporous gold nanoparticles/graphene composite platform and multienzyme functionalized nanoporous silver label. 2013 , 775, 85-92	59
77	In situ energy transfer quenching of quantum dot electrochemiluminescence for sensitive detection of cancer biomarkers. 2013 , 50, 393-8	22
76	Novel electrochemical aptamer biosensor based on gold nanoparticles signal amplification for the detection of carcinoembryonic antigen. 2013 , 37, 15-19	78
75	Fabrication of an inorganic/organic hybrid based on an iron-substituted polyoxotungstate as a peroxidase for colorimetric immunoassays of H ₂ O ₂ and cancer cells. 2013 , 1, 4699	40
74	Cerium oxide-triggered one-to-many catalytic cycling strategy for in situ amplified electronic signal of low-abundance protein. 2013 , 138, 4327-33	10
73	Amplified voltammetric detection of dopamine using ferrocene-capped gold nanoparticle/streptavidin conjugates. 2013 , 41, 730-5	53
72	Sensitive electrochemical immunosensor for platelet-derived growth factor in serum with electron transfer mediated by gold nanoparticles initiated silver enhancement. 2013 , 46, 279-283	10
71	Nanomaterial-Based Electrochemical Immunosensors for Clinically Significant Biomarkers. 2014 , 7, 4669-4709	84
70	Dissolution-Enhanced Luminescent Bioassay Based on Inorganic Lanthanide Nanoparticles. 2014 , 126, 12706-12710	12
69	A sandwich-type immunosensor using Pd-Pt nanocrystals as labels for sensitive detection of human tissue polypeptide antigen. 2014 , 25, 055102	16
68	Biomolecule-based formaldehyde resin microspheres loaded with Au nanoparticles: a novel immunoassay for detection of tumor markers in human serum. 2014 , 53, 346-54	32
67	Cross-Coupling of Heteroarenes by C-H Functionalization: Recent Progress towards Direct Arylation and Heteroarylation Reactions Involving Heteroarenes Containing One Heteroatom. 2014 , 356, 17-117	356
66	Large-scale synthesis of ultrathin Au-Pt nanowires assembled on thionine/graphene with high conductivity and sensitivity for electrochemical immunosensor. 2014 , 130, 335-343	46

- 65 Lanthanide probes for bioresponsive imaging. **2014**, 114, 4496-539 782
- 64 A novel label-free amperometric immunosensor for carcinoembryonic antigen based on Ag nanoparticle decorated infinite coordination polymer fibres. **2014**, 57, 219-25 58
- 63 Dissolution-enhanced luminescent bioassay based on inorganic lanthanide nanoparticles. **2014**, 53, 12498-502 30
- 62 Synthesis of 4-Hydroxy-2,6-di(pyrazol-1-yl)pyridine, and the Spin State Behaviour of Its Iron(II) Complex Salts. **2015**, 1, 3-16 7
- 61 Surface-Enhanced Electrochemiluminescence of Ru@SiO₂ for Ultrasensitive Detection of Carcinoembryonic Antigen. *Analytical Chemistry*, **2015**, 87, 5966-72 7.8 126
- 60 Chemiluminescence reaction kinetics-resolved multianalyte immunoassay strategy using a bispecific monoclonal antibody as the unique recognition reagent. *Analytical Chemistry*, **2015**, 87, 2952-8^{7.8} 52
- 59 An electrochemical immunosensor for simultaneous multiplexed detection of two lung cancer biomarkers using Au nanoparticles coated resin microspheres composed of L-tryptophan and caffeic acid. **2015**, 21, 1141-1152 23
- 58 Simplified aptamer-based colorimetric method using unmodified gold nanoparticles for the detection of carcinoma embryonic antigen. **2015**, 5, 10994-10999 43
- 57 Antibody modified gold nano-mushroom arrays for rapid detection of alpha-fetoprotein. **2015**, 68, 468-474 65
- 56 Time-resolved luminescent biosensing based on inorganic lanthanide-doped nanoprobcs. **2015**, 51, 4129-43 73
- 55 Monoclonal antibody-Europium conjugate-based lateral flow time-resolved fluoroimmunoassay for quantitative determination of T-2 toxin in cereals and feed. **2015**, 7, 2822-2829 37
- 54 Multi-walled carbon nanotubes-chitosan with a branched structure modified with ferrocenecarboxylic acid for carcinoembryonic antigen detection. **2015**, 7, 10032-10039 6
- 53 An Ultrasensitive Immunosensor for the Detection of Carcinoembryonic Antigens Utilizing a Nb-Doped Titanium Dioxide Nanocomposite Film. **2015**, 10, 155060 4
- 52 Aptamer-based microchip electrophoresis assays for amplification detection of carcinoembryonic antigen. **2015**, 450, 304-9 18
- 51 Lanthanide-doped luminescent nano-bioprobcs for the detection of tumor markers. **2015**, 7, 4274-90 93
- 50 Selectively assaying CEA based on a creative strategy of gold nanoparticles enhancing silver nanoclusters fluorescence. **2015**, 64, 345-51 71
- 49 Strategic Applications of Nanomaterials as Sensing Platforms and Signal Amplification Markers at Electrochemical Immunosensors. **2016**, 28, 1730-1749 39
- 48 upconverting/downshifting luminescent detection of tumor markers based on Eu-activated core-shell-shell lanthanide nanoprobcs. **2016**, 7, 5013-5019 59

47	Influence of Shell Formation on Morphological Structure, Optical and Emission Intensity on Aqueous Dispersible NaYF ₄ :Ce/Tb Nanoparticles. 2016 , 26, 1151-9	20
46	Double signal amplification sandwich-structured immunosensor based on TiO ₂ nanoparticles enhanced CdSe@ZnS QDs electrochemiluminescence and the dramatic quenching effect of Au@polydopamine nanoparticles. 2016 , 61, 931-938	13
45	Preparation of TiO ₂ nanosheet-carbon nanotube composite as immobilization platform for both primary and secondary antibodies in electrochemical immunoassay. 2016 , 946, 40-47	8
44	Ultrasensitive Luminescent In Vitro Detection for Tumor Markers Based on Inorganic Lanthanide Nano-Bioprobes. 2016 , 3, 1600197	24
43	One-pot synthesis of multidimensional conducting polymer nanotubes for superior performance field-effect transistor-type carcinoembryonic antigen biosensors. 2016 , 6, 14335-14343	18
42	Graphene oxide supported rhombic dodecahedral Cu ₂ O nanocrystals for the detection of carcinoembryonic antigen. 2016 , 494, 101-7	21
41	Lanthanide-based luminescence biolabelling. 2016 , 52, 5080-95	146
40	Simple and signal-off electrochemiluminescence immunosensor for alpha fetoprotein based on gold nanoparticle-modified graphite-like carbon nitride nanosheet nanohybrids. 2016 , 6, 21308-21316	31
39	Label-free electrochemical immunosensor based on Nile blue A-reduced graphene oxide nanocomposites for carcinoembryonic antigen detection. 2016 , 500, 80-7	43
38	Microfluidic paper-based analytical device for photoelectrochemical immunoassay with multiplex signal amplification using multibranching hybridization chain reaction and PdAu enzyme mimetics. 2016 , 79, 416-22	57
37	A Supramolecular Sensor Array Using Lanthanide-Doped Nanoparticles for Sensitive Detection of Glyphosate and Proteins. 2016 , 8, 574-81	28
36	A novel sandwiched electrochemiluminescence immunosensor for the detection of carcinoembryonic antigen based on carbon quantum dots and signal amplification. 2017 , 89, 453-460	84
35	Reagentless and label-free voltammetric immunosensor for carcinoembryonic antigen based on polyaniline nanowires grown on porous conducting polymer composite. 2017 , 184, 889-896	24
34	Colorimetric Biosensor for Detection of Cancer Biomarker by Au Nanoparticle-Decorated BiSe Nanosheets. 2017 , 9, 6931-6940	87
33	Homogeneous time-resolved fluoroimmunoassay of microcystin-LR using layered WS nanosheets as a transducer. 2017 , 5, 024007	4
32	Enhanced detection sensitivity of carcinoembryonic antigen on a plasmonic nanoimmunosensor by transmission grating-based total internal reflection scattering microscopy. 2017 , 96, 159-166	10
31	Pd cross-coupling reactions in the access to bis-pyrazole and bis-indazole pyridine-based nona-coordinated ligands. Luminescence properties of their lanthanide complexes. 2017 , 342, 53-58	4
30	A novel upconversion luminescence derived photoelectrochemical immunoassay: ultrasensitive detection to alpha-fetoprotein. 2017 , 9, 16357-16364	33

29	Signal amplification for immunosensing. 2017 , 31-75		1
28	Lanthanide-Doped Nanoparticles for Diagnostic Sensing. 2017 , 7,		26
27	AuNPs/CNOs/SWCNTs/chitosan-nanocomposite modified electrochemical sensor for the label-free detection of carcinoembryonic antigen. 2018 , 107, 211-217		88
26	Three kinds of DNA-directed nanoclusters cooperating with graphene oxide for assaying mucin 1, carcinoembryonic antigen and cancer antigen 125. 2018 , 262, 9-16		25
25	Selective Synthesis of Monoadduct Derivatives of Triaminopentanoic Acid Anhydride for Time-resolved Fluorescence-mediated Polymer Concentration Measurement. 2018 , 47, 836-839		
24	Development of an electrochemical immunosensor based on gold nanoparticles incorporated chitosan biopolymer nanocomposite film for the detection of prostate cancer using PSA as biomarker. 2018 , 112, 43-51		79
23	Study on the Detection of the Content of the Phenylalanine by Rare Earth Ions Fluorescence Probe Method. 2018 , 381, 012172		1
22	Ultrasensitive Fluorescence Detection of Peroxymonosulfate Based on a Sulfate Radical-Mediated Aromatic Hydroxylation. <i>Analytical Chemistry</i> , 2018 , 90, 14439-14446	7.8	23
21	A redox cycling-amplified electrochemical immunosensor for α -fetoprotein sensitive detection via polydopamine nanolabels. 2018 , 10, 13572-13580		29
20	Luminescent europium(III) and terbium(III) complexes of β -diketonate and substituted terpyridine ligands: synthesis, crystal structures and elucidation of energy transfer pathways. 2019 , 43, 15139-15152		24
19	Clinical Applications of Capillary Electrophoresis. 2019 ,		
18	Aptamer-Based Microchip Electrophoresis Assays for Amplification Detection of Carcinoembryonic Antigen. 2019 , 1972, 251-259		
17	Detection of carcinoembryonic antigen using a magnetoelastic nano-biosensor amplified with DNA-templated silver nanoclusters. 2020 , 31, 015501		9
16	A giant magnetoimpedance effect based nonvolatile Boolean logic gate. 2020 , 53, 035001		2
15	A highly specific and sensitive fluorescence quenching probe for carcinoembryonic antigen detection based on tetrapod Au nanostars with Ag coating. 2020 , 25, 101373		4
14	Lanthanide complexes for drug delivery and therapeutics. 2020 , 228, 117622		13
13	Highly sensitive photoelectrochemical immunosensor based on anatase/rutile TiO ₂ and Bi ₂ S ₃ for the zero-biased detection of PSA. 2020 , 24, 1801-1809		7
12	Responsive Metal Complex Probes for Time-Gated Luminescence Biosensing and Imaging. 2020 , 53, 1316-1329	54	

11	Organic-Acid-Mediated Luminescent Supramolecular Tb(III)-metallogel Applied in an Efficient Photosensitive Electronic Device with Excellent Charge Transport Properties. 2020 , 59, 5466-5473		11
10	Biology of Composts. <i>Soil Biology</i> , 2020 ,	1	2
9	Ultrasensitive Point-of-Care Test for Tumor Marker in Human Saliva Based on Luminescence-Amplification Strategy of Lanthanide Nanoprobes. 2021 , 8, 2002657		10
8	Electrochemiluminescence Immunosensor for the Detection of Carcinoembryonic Antigen Based on Oxygen Vacancy-Rich Co ₃ O ₄ Nanorods and Luminol. <i>ACS Applied Nano Materials</i> , 2021 , 4, 7264-7271	5.6	1
7	Highly Sensitive Luminescence Assessment of Bile Acid Using a Balofloxacin-Europium(III) Probe in Micellar Medium. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 4145-4149	1.2	1
6	Application of Nanotechnology to Research on the Microbiology of Composting. <i>Soil Biology</i> , 2020 , 203-214		
5	Recent developments in lanthanide chelates as luminescent labels for biomedical analyses. <i>Fundamental Theories of Physics</i> , 2020 , 57, 119-191	0.8	1
4	Development of an Efficient Immunosensing Platform by Exploring Single-Walled Carbon Nanohorns (SWCNHs) and Nitrogen Doped Graphene Quantum Dot (N-GQD) Nanocomposite for Early Detection of Cancer Biomarker. <i>ACS Biomaterials Science and Engineering</i> , 2021 ,	5.5	1
3	Merging microfluidics with luminescence immunoassays for urgent point-of-care diagnostics of COVID-19. 2022 , 157, 116814		1
2	Electrochemical impedimetric immunosensor based on stabilized lipid bilayer tethered WS ₂ @MWCNT for the sensitive detection of carcinoembryonic antigen. 2022 , 189,		0
1	High brightness red emitting polymer beads for immunoassays: Comparison between trifluoroacetylacetonates of Europium. 11,		0