Won-yong Lee

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3062948/publications.pdf

Version: 2024-02-01

66 papers	2,294 citations	270111 25 h-index	242451 47 g-index
66 all docs	66 docs citations	66 times ranked	2447 citing authors

#	Article	IF	Citations
1	Highly sensitive determination of capsaicin with tris(2,2â€²-bipyridyl)ruthenium(II) electrogenerated chemiluminescence. Journal of Electroanalytical Chemistry, 2022, 910, 116169.	1.9	5
2	One-Step Fabrication of Highly Sensitive Tris(2,2â€²-bipyridyl)ruthenium(II) Electrogenerated Chemiluminescence Sensor Based on Graphene-Titania-Nafion Composite Film. Sensors, 2022, 22, 3064.	2.1	0
3	Near-infrared electrogenerated chemiluminescence of Au22(glutathione)18 nanoclusters in aqueous solution and its analytical application. Journal of Electroanalytical Chemistry, 2021, 880, 114851.	1.9	5
4	Electrogenerated chemiluminescence of luminol on a gold nanocluster-graphene-Nafion composite-modified electrode in neutral aqueous solution. Journal of Electroanalytical Chemistry, 2021, 881, 114947.	1.9	3
5	Impedimetric detection of galactose based on a galactose-binding lectin, Ricinus communis agglutinin I (RCA120). Journal of Electroanalytical Chemistry, 2021, 903, 115846.	1.9	1
6	Highly sensitive impedimetric glycosensor for the determination of a ricin surrogate, Ricinus communis agglutinin I (RCA120). Journal of Electroanalytical Chemistry, 2020, 856, 113735.	1.9	1
7	Electrogenerated chemiluminescence of lucigenin at mesoporous platinum electrode and its biosensing application to superoxide dismutase. Journal of Electroanalytical Chemistry, 2018, 808, 59-64.	1.9	5
8	Tris(2,2â€²-bipyridyl)ruthenium(II) electrogenerated chemiluminescence ethanol biosensor based on ionic liquid doped titania-Nafion composite film. Microchemical Journal, 2018, 142, 62-69.	2.3	14
9	Highly Sensitive Determination of Concanavalin A Lectin Based on Silver-Enhanced Electrogenerated Chemiluminescence of Luminol. Analytical Letters, 2018, 51, 2114-2127.	1.0	3
10	Simultaneous determination of volatile organic compounds with a wide range of polarities in urine by headspace solidâ€phase microextraction coupled to gas chromatography/mass spectrometry. Rapid Communications in Mass Spectrometry, 2017, 31, 613-622.	0.7	20
11	Label-free impedimetric glycosensor based on Î²-galactose-functionalized gold electrode for the determination of cholera toxin. Journal of Electroanalytical Chemistry, 2017, 806, 123-129.	1.9	4
12	Sensing Estrogen with Electrochemical Impedance Spectroscopy. Journal of Analytical Methods in Chemistry, 2016, 2016, 1-6.	0.7	2
13	Liquid Chromatography-Mass Spectrometry-Based In Vitro Metabolic Profiling Reveals Altered Enzyme Expressions in Eicosanoid Metabolism. Annals of Laboratory Medicine, 2016, 36, 342-352.	1.2	0
14	Highly sensitive electrochemical capsaicin sensor based on graphene-titania-Nafion composite film. Journal of Electroanalytical Chemistry, 2016, 776, 74-81.	1.9	26
15	Serum levels of cholesterol, pregnenolone, DHEA, and their sulfate conjugates based on sex and pubertal stage in adolescents. Clinica Chimica Acta, 2016, 461, 47-52.	0.5	4
16	Metabolite profiling of sex developmental steroid conjugates reveals an association between decreased levels of steroid sulfates and adiposity in obese girls. Journal of Steroid Biochemistry and Molecular Biology, 2016, 162, 100-109.	1.2	8
17	Electrogenerated chemiluminescence from newly synthesized Î±-diimine-ligated heteroleptic iridium(III) complexes. Journal of Electroanalytical Chemistry, 2016, 775, 83-90.	1.9	6
18	Electrochemical Determination of Bisphenol A by Single-Walled Carbon Nanotube Composite Glassy Carbon Electrode. Analytical Letters, 2016, 49, 2018-2030.	1.0	8

#	Article	IF	Citations
19	Fluorescence energy transfer inhibition bioassay for cholera toxin based on galactose-stabilized gold nanoparticles and amine-terminated quantum dots. Microchemical Journal, 2016, 124, 9-14.	2.3	23
20	Cyclic voltammetric studies of carbohydrateâ€“protein interactions on gold surface. Electrochemistry Communications, 2015, 58, 69-72.	2.3	7
21	Solid-state tris(2,2â€²-bipyridyl)ruthenium(II) electrogenerated chemiluminescence sensor based on ionic liquid/solâ€“gel titania/Nafion composite film. Journal of Electroanalytical Chemistry, 2015, 736, 55-60.	1.9	13
22	Changes in steroid metabolism among girls with precocious puberty may not be associated with urinary levels of bisphenol A. Reproductive Toxicology, 2014, 44, 1-6.	1.3	34
23	Detection of concanavalin A based on attenuated fluorescence resonance energy transfer between quantum dots and mannose-stabilized gold nanoparticles. Analytical Methods, 2013, 5, 64-67.	1.3	23
24	Electrochemiluminescent dinuclear Ru(II) complexes assembled with 1,1â€²-(1,2-ethynediyl)- or dimethlyene-bridged bis(bipyridine) ligands: Synthesis and photophysical and electrochemical properties. Inorganica Chimica Acta, 2013, 395, 145-150.	1.2	7
25	Poly(m-phenylenediamine)â€“Prussian blue hybrid film formed by one-step electrochemical deposition for glucose biosensor. Journal of Electroanalytical Chemistry, 2013, 689, 96-102.	1.9	34
26	Electrochemical Determination of Bisphenol A at Carbon Nanotube-Doped Titania-Nafion Composite Modified Electrode. Bulletin of the Korean Chemical Society, 2013, 34, 1065-1069.	1.0	17
27	Impedometric estrogen biosensor based on estrogen receptor alpha-immobilized gold electrode. Journal of Electroanalytical Chemistry, 2012, 671, 106-111.	1.9	32
28	Determination of phenothiazine drugs using tris(2,2â€™-bipyridyl)ruthenium(II) electrogenerated chemiluminescence at DNA-modified electrode. Journal of Electroanalytical Chemistry, 2011, 656, 258-263.	1.9	8
29	Amperometric Tyrosinase Biosensor Based on Carbon Nanotubeâ€Doped Solâ€Gelâ€Derived Zinc Oxideâ€“Nafion Composite Films. Electroanalysis, 2011, 23, 962-970.	1.5	25
30	Electrogenerated Chemiluminescence Sensor Based on a Selfâ€Assembled Monolayer of Ruthenium(II)â€bis(2,2â€²â€bipyridyl)(aminopropyl imidazole) on Gold Deposited Screen Printed Electrode. Electroanalysis, 2011, 23, 2131-2138.	1.5	9
31	Detection of hydrogen peroxide with luminol electrogenerated chemiluminescence at mesoporous platinum electrode in neutral aqueous solution. Journal of Electroanalytical Chemistry, 2011, 660, 101-107.	1.9	24
32	Mesoporous Platinum Electrodes for Amperometric Determination of Sugars with Anion Exchange Chromatography. Analytical Sciences, 2010, 26, 995-1000.	0.8	7
33	Tris(2,2â€²â€bipyridyl)ruthenium(II) Electrogenerated Chemiluminescence Sensor Based on Platinized Carbon Nanotubeâ€“Zirconiaâ€“Nafion Composite Films. Electroanalysis, 2010, 22, 1349-1356.	1.5	12
34	Electrochemical detection of estrogen hormone by immobilized estrogen receptor on Au electrode. Surface and Coatings Technology, 2010, 205, S275-S278.	2.2	30
35	Electrochemical determination of carbohydrate-binding proteins using carbohydrate-stabilized gold nanoparticles and silver enhancement. Biosensors and Bioelectronics, 2010, 26, 1326-1331.	5.3	36
36	Electrochemical Determination of Dopamine Based on Carbon Nanotube-Sol-Gel Titania-Nafion Composite Film Modified Electrode. Bulletin of the Korean Chemical Society, 2010, 31, 3123-3127.	1.0	9

#	Article	IF	Citations
37	Synthesis and properties of electrochemiluminescent dinuclear Ru(II) complexes assembled with ester-bridged bis(bipyridine) ligands. Inorganica Chimica Acta, 2009, 362, 1577-1584.	1.2	8
38	Functionalized magnetic nanoparticle with poly(3-thiopheneacetic acid) and its application for electrogenerated chemiluminescence sensor. Synthetic Metals, 2009, 159, 571-575.	2.1	10
39	Star-shaped electrochemiluminescent metallodendrimers with central polypyridyl Ru(II) complexes: Synthesis and their photophysical and electrochemical properties. Journal of Organometallic Chemistry, 2008, 693, 655-666.	0.8	18
40	Microgravimetric lectin biosensor based on signal amplification using carbohydrate-stabilized gold nanoparticles. Chemical Communications, 2008, , 4771.	2.2	59
41	Electrogenerated Chemiluminescence Ethanol Biosensor Based on Carbon Nanotube-Titania-Nafion Composite Film. Electroanalysis, 2007, 19, 459-465.	1.5	34
42	Amperometric Tyrosinase Biosensor Based on Carbon Nanotubeâ€“Titaniaâ€“Nafion Composite Film. Electroanalysis, 2007, 19, 1048-1054.	1.5	25
43	Amperometric Ethanol Biosensor Based on Carbon Nanotubes Dispersed in Solâ€“Gel-Derived Titaniaâ€“Nafion Composite Film. Electroanalysis, 2007, 19, 1524-1530.	1.5	26
44	Amperometric Glucose Biosensor Based on Glucose Oxidase Encapsulated in Carbon Nanotubeâ€“Titaniaâ€“Nafion Composite Film on Platinized Glassy Carbon Electrode. Electroanalysis, 2007, 19, 1757-1763.	1.5	50
45	Ru(II) complexes containing dihydro-1,1,3,3-tetramethyl-7,8-diazacyclopenta[1]phenanthren-2-ol ligand: Synthesis and their electrochemiluminescent characteristics. Synthetic Metals, 2006, 156, 885-892.	2.1	2
46	Tris(2,2â€²-bipyridyl)ruthenium(II) electrogenerated chemiluminescence sensor based on carbon nantube dispersed in solâ€“gel-derived titaniaâ€“Nafion composite films. Analytica Chimica Acta, 2006, 565, 48-55.	2.6	80
47	Tris(2,2â€²-bipyridyl)ruthenium(II) Electrogenerated Chemiluminescence Sensor Based on Solâ€“Gel-Derived V2O5/Nafion Composite Films. Electroanalysis, 2006, 18, 275-281.	1.5	24
48	Highly electrochemiluminescent Ru(II) complexes containing 1,3-dihydro-1,1,3,3-tetramethyl-7,8-diazacyclopenta[1]phenanthren-2-one ligand. Journal of Organometallic Chemistry, 2005, 690, 2002-2008.	0.8	8
49	Solâ€“gel-immobilized Tris(2,2â€²-bipyridyl)ruthenium(II) electrogenerated chemiluminescence sensor for high-performance liquid chromatography. Analytica Chimica Acta, 2005, 541, 47-54.	2.6	31
50	Amperometric glucose biosensor based on solâ€“gel-derived metal oxide/Nafion composite films. Analytica Chimica Acta, 2005, 537, 179-187.	2.6	88
51	Polyamidoamine dendrimers functionalized with electrochemiluminescent polypyridyl Ru(II) complexes. Synthetic Metals, 2005, 150, 93-100.	2.1	25
52	Nafion-stabilized magnetic nanoparticles (Fe3O4) for [Ru(bpy)3]2+(bpy = bipyridine) electrogenerated chemiluminescence sensor. Chemical Communications, 2005, , 2966.	2.2	67
53	Synthesis and characterization of electrochemiluminescent ruthenium(II) complexes containing o-phenanthroline and various Î±-diimine ligands. Talanta, 2004, 62, 595-602.	2.9	40
54	Amperometric phenol biosensor based on solâ€“gel silicate/Nafion composite film. Analytica Chimica Acta, 2003, 479, 143-150.	2.6	131

#	Article	IF	Citations
55	Electrogenerated Chemiluminescence from Tris(2,2â€˜-bipyridyl)ruthenium(II) Immobilized in Titaniaâ€“Perfluorosulfonated Ionomer Composite Films. Analytical Chemistry, 2003, 75, 4250-4256.	3.2	182
56	Organosilicate thin film containing Ru(bpy)32+ for an electrogenerated chemiluminescence (ECL) sensorElectronic supplementary information (ESI) available: experimental details. See http://www.rsc.org/suppdata/cc/b3/b303766e/. Chemical Communications, 2003, , 1602.	2.2	59
57	Calix[2]furano[2]pyrrole and related compounds as the neutral carrier in silver ion-selective electrode. Analytica Chimica Acta, 2002, 453, 81-88.	2.6	52
58	Determination of Î²-blockers in pharmaceutical preparations and human urine by high-performance liquid chromatography with tris(2,2â€²-bipyridyl)ruthenium(II) electrogenerated chemiluminescence detection. Analytica Chimica Acta, 2002, 471, 51-59.	2.6	50
59	Microfabricated Conductometric Urea Biosensor Based on Sol-Gel Immobilized Urease. Electroanalysis, 2000, 12, 78-82.	1.5	42
60	Solâ€“gel-derived thick-film conductometric biosensor for urea determination in serum. Analytica Chimica Acta, 2000, 404, 195-203.	2.6	102
61	Determination of breath alcohol using a differential-type amperometric biosensor based on alcohol dehydrogenase. Analytica Chimica Acta, 1999, 390, 83-91.	2.6	96
62	Electron Hopping and Electronic Conductivity in Monolayers of Alkanethiolâ€Stabilized Gold Nanoâ€Clusters at the Air/Water Interface. Israel Journal of Chemistry, 1997, 37, 213-223.	1.0	21
63	Tris (2,2?-bipyridyl)ruthenium(II) electrogenerated chemiluminescence in analytical science. Mikrochimica Acta, 1997, 127, 19-39.	2.5	246
64	Determination of Dansyl Amino Acids and Oxalate by HPLC with Electrogenerated Chemiluminescence Detection Using Tris(2,2â€˜-bipyridyl)ruthenium(II) in the Mobile Phase. Analytical Chemistry, 1996, 68, 1530-1535.	3.2	105
65	Evaluation of Use of Tris(2,2'-bipyridyl)ruthenium(III) as a Chemiluminescent Reagent for Quantitation in Flowing Streams. Analytical Chemistry, 1995, 67, 1789-1796.	3.2	147
66	A Highly Sensitive Amperometric Galactose Biosensor Based on Grapheneâ€doped Solâ€gelâ€derived Titaniaâ€Nafion Composite Films. Electroanalysis, 0, , .	1.5	1