

Heinz Bernhard Kraatz

List of Publications by Year in descending order

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348
papers

12,571
citations

25014

57
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45285

90
g-index

376
all docs

376
docs citations

376
times ranked

12926
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymeric micelles as drug delivery vehicles. RSC Advances, 2014, 4, 17028-17038.	1.7	449
2	Ultra stable self-assembled monolayers of N-heterocyclic carbenes on gold. Nature Chemistry, 2014, 6, 409-414.	6.6	381
3	Impedimetric Immobilized DNA-Based Sensor for Simultaneous Detection of Pb ²⁺ , Ag ⁺ , and Hg ²⁺ . Analytical Chemistry, 2011, 83, 6896-6901.	3.2	270
4	Transport of α -Helical Peptides through α -Hemolysin and Aerolysin Pores. Biochemistry, 2006, 45, 9172-9179.	1.2	254
5	Systematizing structural motifs and nomenclature in 1, η^2 -disubstituted ferrocene peptides. Chemical Society Reviews, 2006, 35, 348.	18.7	204
6	A Conformational and Structure-Activity Relationship Study of Cytotoxic 3,5-Bis(arylidene)-4-piperidones and Related N-Acryloyl Analogues. Journal of Medicinal Chemistry, 2001, 44, 586-593.	2.9	200
7	Stimuli responsive materials: new avenues toward smart organic devices. Journal of Materials Chemistry, 2005, 15, 4480.	6.7	185
8	Structure of Peptides Investigated by Nanopore Analysis. Nano Letters, 2004, 4, 1273-1277.	4.5	180
9	Simple synthesis of core-shell structure of Co ^{II} /Co ₃ O ₄ @ carbon-nanotube-incorporated nitrogen-doped carbon for high-performance supercapacitor. Electrochimica Acta, 2018, 261, 537-547.	2.6	176
10	Simple direct formation of self-assembled N-heterocyclic carbene monolayers on gold and their application in biosensing. Nature Communications, 2016, 7, 12654.	5.8	171
11	Nanopore Analysis of β -Amyloid Peptide Aggregation Transition Induced by Small Molecules. Analytical Chemistry, 2011, 83, 1746-1752.	3.2	140
12	Ferrocenoyl Amino Acids: A Synthetic and Structural Study. Inorganic Chemistry, 1997, 36, 2400-2405.	1.9	139
13	Structure-Activity Relationships of Targeted Ru ^{II} (η^6 -p-cymene) Anticancer Complexes with Flavonol-Derived Ligands. Journal of Medicinal Chemistry, 2012, 55, 10512-10522.	2.9	132
14	Advances in the synthesis, molecular architectures and potential applications of gemini surfactants. Advances in Colloid and Interface Science, 2017, 248, 35-68.	7.0	130
15	Impedance based detection of pathogenic E. coli O157:H7 using a ferrocene-antimicrobial peptide modified biosensor. Biosensors and Bioelectronics, 2014, 58, 193-199.	5.3	129
16	Helically Chiral Ferrocene Peptides Containing 1 η^2 -Aminoferrocene-1-Carboxylic Acid Subunits as Turn Inducers. Chemistry - A European Journal, 2006, 12, 4965-4980.	1.7	127
17	Effect of the Surface Curvature on the Secondary Structure of Peptides Adsorbed on Nanoparticles. Journal of the American Chemical Society, 2007, 129, 6356-6357.	6.6	120
18	Peptide Electron Transfer: More Questions than Answers. Chemistry - A European Journal, 2005, 11, 5186-5194.	1.7	119

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19	Ferrocene-peptido conjugates: From synthesis to sensory applications. Dalton Transactions, 2011, 40, 7264.	1.6	119
20	Electrochemical detection of carcinoembryonic antigen. Biosensors and Bioelectronics, 2018, 102, 610-616.	5.3	119
21	Electron transfer in peptides. Chemical Society Reviews, 2015, 44, 1015-1027.	18.7	110
22	Is the Reactivity of M(II)~Arene Complexes of 3-Hydroxy-2(1<i>H</i>)-pyridones to Biomolecules the Anticancer Activity Determining Parameter?. Inorganic Chemistry, 2010, 49, 7953-7963.	1.9	101
23	Ferrocene-Conjugates of Amino Acids, Peptides and Nucleic Acids. Journal of Inorganic and Organometallic Polymers, 2005, 15, 83-106.	1.5	98
24	Electrochemical Detection of Single-Nucleotide Mismatches:~Application of M-DNA. Analytical Chemistry, 2004, 76, 4059-4065.	3.2	97
25	Electrochemical detection of kinase-catalyzed phosphorylation using ferrocene-conjugated ATP. Chemical Communications, 2008, , 502-504.	2.2	97
26	Stimuli-responsive peptide-based biomaterials as drug delivery systems. Chemical Engineering Journal, 2018, 353, 559-583.	6.6	96
27	AC Impedance Spectroscopy of Native DNA and M-DNA. Biophysical Journal, 2003, 84, 3218-3225.	0.2	94
28	A Comparison of Electron-Transfer Rates of Ferrocenoyl-Linked DNA. Journal of the American Chemical Society, 2003, 125, 8724-8725.	6.6	93
29	Correlations between Cytotoxicity and Topography of Some 2-Arylidenebenzocycloalkanones Determined by X-ray Crystallography. Journal of Medicinal Chemistry, 2002, 45, 3103-3111.	2.9	89
30	Interactions of Metal Ions with DNA and Some Applications. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 4-23.	1.9	89
31	Peptide Biosensors for the Electrochemical Measurement of Protein Kinase Activity. Analytical Chemistry, 2008, 80, 9395-9401.	3.2	86
32	A Bioorganometallic Approach for the Electrochemical Detection of Proteins: A Study on the Interaction of Ferrocene~Peptide Conjugates with Papain in Solution and on Au Surfaces. Chemistry - A European Journal, 2007, 13, 5885-5895.	1.7	82
33	Carbon~Carbon vs Carbon~Hydrogen Bond Activation~by Ruthenium(II) and Platinum(II) in Solution. Organometallics, 1999, 18, 3873-3884.	1.1	81
34	Sensitive electrochemical detection of Salmonella with chitosan~gold nanoparticles composite film. Talanta, 2015, 140, 122-127.	2.9	77
35	Supramolecular Assembly of Peptide and Metallopeptide Gelators and Their Stimuli~Responsive Properties in Biomedical Applications. Chemistry - A European Journal, 2018, 24, 14316-14328.	1.7	77
36	Scanning Electrochemical Microscopy. 51. Studies of Self-Assembled Monolayers of DNA in the Absence and Presence of Metal Ions. Journal of Physical Chemistry B, 2005, 109, 5193-5198.	1.2	76

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37	Facile Green Route to Ni/Co Oxide Nanoparticle Embedded 3D Graphitic Carbon Nanosheets for High Performance Hybrid Supercapacitor Devices. <i>ACS Applied Energy Materials</i> , 2019, 2, 3389-3399.	2.5	75
38	Self-assembly of guanosine and deoxy-guanosine into hydrogels: monovalent cation guided modulation of gelation, morphology and self-healing properties. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4802-4810.	2.9	74
39	Electron Transfer Studies on Self-Assembled Monolayers of Helical Ferrocenoyl-Oligoproline-Cystamine Bound to Gold. <i>ChemPhysChem</i> , 2002, 3, 356-359.	1.0	73
40	Photophysics of pyrene-labelled compounds of biophysical interest. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 191.	1.6	72
41	The ferrocene moiety as a structural probe: redox and structural properties of ferrocenoyl-oligoprolines Fc- Pron_n -OBzl ($n=1-4$) and Fc-Pro $_2$ -Phe-OBzl. <i>Journal of Organometallic Chemistry</i> , 1999, 589, 38-49.	0.8	71
42	Interaction of Ferrocenoyl-Dipeptides with 3-Aminopyrazole Derivatives: β -Sheet Models? A Synthetic, Spectroscopic, Structural, and Electrochemical Study. <i>Inorganic Chemistry</i> , 2001, 40, 4409-4419.	1.9	71
43	Enhanced Electrochemical Reduction of CO ₂ Catalyzed by Cobalt and Iron Amino Porphyrin Complexes. <i>ACS Applied Energy Materials</i> , 2019, 2, 1330-1335.	2.5	71
44	Ferrocenic acid derivatives: towards rationalizing changes in the electronic and geometric structures. <i>Journal of Organometallic Chemistry</i> , 1998, 556, 11-20.	0.8	70
45	Versatile Strategy for Biochemical, Electrochemical and Immunoarray Detection of Protein Phosphorylations. <i>Journal of the American Chemical Society</i> , 2012, 134, 17036-17045.	6.6	70
46	1,1'-Ferrocenoyl-oligoprolines. A synthetic, structural and electrochemical study. <i>Journal of Organometallic Chemistry</i> , 2001, 637-639, 335-342.	0.8	68
47	Redox-triggered changes in the self-assembly of a ferrocene-peptide conjugate. <i>Chemical Communications</i> , 2014, 50, 5551-5553.	2.2	67
48	Unlabeled Hairpin-DNA Probe for the Detection of Single-Nucleotide Mismatches by Electrochemical Impedance Spectroscopy. <i>Analytical Chemistry</i> , 2008, 80, 2255-2260.	3.2	66
49	Electrochemical Detection of Single-Nucleotide Mismatches Using an Electrode Microarray. <i>Analytical Chemistry</i> , 2006, 78, 6096-6101.	3.2	64
50	Ferrocene-Modified Phospholipid: An Innovative Precursor for Redox-Triggered Drug Delivery Vesicles Selective to Cancer Cells. <i>Langmuir</i> , 2016, 32, 4169-4178.	1.6	63
51	Surface Studies of Aminoferrocene Derivatives on Gold: Electrochemical Sensors for Chemical Warfare Agents. <i>Analytical Chemistry</i> , 2007, 79, 2877-2884.	3.2	61
52	Designer Peptides: Attempt to Control Peptide Structure by Exploiting Ferrocene as a Scaffold. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3205-3218.	1.0	61
53	Electrochemical detection of protein tyrosine kinase-catalysed phosphorylation using gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1484-1489.	5.3	61
54	Electron transfer across β -helical peptides: Potential influence of molecular dynamics. <i>Chemical Physics</i> , 2006, 326, 246-251.	0.9	60

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55	Synthesis, characterization, and application of Au–Ag alloy nanoparticles for the sensing of an environmental toxin, pyrene. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 463-472.	1.5	60
56	Disposable electrochemical sensors for hemoglobin detection based on ferrocenoyl cysteine conjugates modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 130-136.	4.0	60
57	Rhodium and Palladium Complexes of a 3,5-Lutidine-Based Phosphine Ligand. <i>Inorganic Chemistry</i> , 1996, 35, 1792-1797.	1.9	59
58	Amino acid conjugates of 1,1'-diaminoferrocene. Synthesis and chiral organization. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 3018.	1.5	57
59	p <i>i</i> -Acidity of thioethers and selenoethers: truth or fiction? A comparative density functional study. <i>Organometallics</i> , 1993, 12, 76-80.	1.1	56
60	Electron Transfer through H-bonded Peptide Assemblies. <i>Journal of Physical Chemistry B</i> , 2004, 108, 20164-20172.	1.2	56
61	Platinum(II)-Based Hydrogen-Evolving Catalysts Linked to Multipendant Viologen Acceptors: Experimental and DFT Indications for Bimolecular Pathways. <i>Chemistry - A European Journal</i> , 2011, 17, 1148-1162.	1.7	56
62	Supramolecular Peptide Gels: Influencing Properties by Metal Ion Coordination and Their Wide-Ranging Applications. <i>ACS Omega</i> , 2020, 5, 1312-1317.	1.6	56
63	Electrochemical Investigations of M-DNA Self-Assembled Monolayers on Gold Electrodes. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2291-2296.	1.2	54
64	Noncovalent Modification of Carbon Nanotubes with Ferrocene- γ -Amino Acid Conjugates for Electrochemical Sensing of Chemical Warfare Agent Mimics. <i>Analytical Chemistry</i> , 2008, 80, 2574-2582.	3.2	54
65	A Trojan horse biomimetic delivery strategy using mesenchymal stem cells for PDT/PTT therapy against lung melanoma metastasis. <i>Biomaterials Science</i> , 2020, 8, 1160-1170.	2.6	52
66	Rational Design of Bioorganometallic Foldamers: A Potential Model for Parallel β -Helical Peptides. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6882-6884.	7.2	51
67	Synthesis, spectroscopic characterization, DFT optimization and biological activities of Schiff bases and their metal (II) complexes. <i>Journal of Molecular Structure</i> , 2017, 1145, 132-140.	1.8	51
68	Electrochemical detection of kinase-catalyzed thiophosphorylation using gold nanoparticles. <i>Chemical Communications</i> , 2007, , 5019.	2.2	50
69	A novel colorimetric potassium sensor based on the substitution of lead from G-quadruplex. <i>Analyst</i> , 2013, 138, 856-862.	1.7	50
70	Activation of a non-strained C–C bond with platinum(II). <i>Chemical Communications</i> , 1996, , 2167-2168.	2.2	49
71	Synthesis and Electrochemical Characterization of Metallocene-PNA Oligomers. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 3207-3210.	1.0	49
72	Probing copper/tau protein interactions electrochemically. <i>Analytical Biochemistry</i> , 2013, 442, 130-137.	1.1	49

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73	Efficient synthesis of unsymmetrically disubstituted ferrocenes: towards electrochemical dipeptide-Fc-biosensors. <i>Tetrahedron Letters</i> , 2001, 42, 2601-2603.	0.7	48
74	Interaction of a Ferrocenoyl-Modified Peptide with Papain: Toward Protein-Sensitive Electrochemical Probes. <i>Bioconjugate Chemistry</i> , 2003, 14, 601-606.	1.8	48
75	Changes in the hydrogen bonding pattern in ferrocene peptides. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 4669-4677.	0.8	48
76	Reorganization Energies of Ferrocene-Peptide Monolayers. <i>Langmuir</i> , 2007, 23, 12765-12770.	1.6	48
77	Unlabeled Hairpin DNA Probe for Electrochemical Detection of Single-Nucleotide Mismatches Based on MutS-DNA Interactions. <i>Analytical Chemistry</i> , 2009, 81, 8639-8643.	3.2	48
78	Enhanced Electrocatalytic Activity of Primary Amines for CO ₂ Reduction Using Copper Electrodes in Aqueous Solution. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1715-1720.	3.2	48
79	Nanoporous Gold for the Miniaturization of In Vivo Electrochemical Aptamer-Based Sensors. <i>ACS Sensors</i> , 2021, 6, 2299-2306.	4.0	48
80	Oxidation and Protonation of Transition Metal Hydrides: Role of an Added Base as Proton Shuttle and Nature of Protonated Water in Acetonitrile. <i>Inorganic Chemistry</i> , 1996, 35, 5154-5162.	1.9	47
81	Impedance Based Detection of Chemical Warfare Agent Mimics Using Ferrocene-Lysine Modified Carbon Nanotubes. <i>Analytical Chemistry</i> , 2010, 82, 3191-3197.	3.2	47
82	Development of surfactant based electrochemical sensor for the trace level detection of mercury. <i>Electrochimica Acta</i> , 2016, 190, 1007-1014.	2.6	47
83	Evidence for Direct <i>trans</i> Insertion in a Hydridoolefin Rhodium Complex: Free Nitrogen as a Trap in a Migratory Insertion Process. <i>Chemistry - A European Journal</i> , 1997, 3, 253-260.	1.7	46
84	M-DNA: A Self-Assembling Molecular Wire for Nanoelectronics and Biosensing. <i>Analytical Sciences</i> , 2003, 19, 23-26.	0.8	46
85	Electron Transfer Mechanism in Helical Peptides. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 709-713.	2.1	46
86	Biodegradation of Poly(2-hydroxyethyl methacrylate) (PHEMA) and Poly{(2-hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (Peptide-Based Cross-Linking Agents. <i>Biomacromolecules</i> , 2010, 11, 2949-2959.	2.6	45
87	Synthesis of redox-active ferrocene pyrazole conjugates and their cytotoxicity in human mammary adenocarcinoma MCF-7 cells. <i>Inorganica Chimica Acta</i> , 2005, 358, 3183-3189.	1.2	44
88	Study of Electron Transfer in Ferrocene-Labeled Collagen-like Peptides. <i>Langmuir</i> , 2007, 23, 6475-6477.	1.6	44
89	How Useful Is Ferrocene as a Scaffold for the Design of β -Sheet Foldamers?. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7056-7059.	7.2	44
90	Detection of single-nucleotide mismatches using scanning electrochemical microscopy. <i>Chemical Communications</i> , 2009, , 1189.	2.2	44

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91	Electrochemical studies of tau protein-iron interactionsâ€”Potential implications for Alzheimerâ€™s Disease. <i>Electrochimica Acta</i> , 2017, 236, 384-393.	2.6	44
92	Enhanced electrocatalytic activity of iron amino porphyrins using a flow cell for reduction of CO ₂ to CO. <i>Journal of Energy Chemistry</i> , 2021, 58, 162-169.	7.1	44
93	Electrochemical and Surface Study of Ferrocenoyl Oligopeptides. <i>Journal of Physical Chemistry B</i> , 2004, 108, 704-714.	1.2	43
94	Synthesis, Characterization, and Electrochemical Studies on [1.1]Ferrocenophanes Containing Aluminum, Gallium, and Indium. <i>Inorganic Chemistry</i> , 2006, 45, 454-459.	1.9	43
95	Discovery of a Pseudo \hat{I}^2 Barrel: Synthesis and Formation by Tiling of Ferrocene Cyclopeptides. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 751-754.	7.2	43
96	Stimuliâ€”Responsive Supramolecular Gelation in Ferroceneâ€”Peptide Conjugates. <i>Chemistry - A European Journal</i> , 2013, 19, 17296-17300.	1.7	43
97	Monitoring of 2-butanone using a Agâ€”Cu bimetallic alloy nanoscale electrochemical sensor. <i>RSC Advances</i> , 2015, 5, 44427-44434.	1.7	43
98	An electrochemical approach for the detection of HIV-1 protease. <i>Chemical Communications</i> , 2007, , 3829.	2.2	42
99	Influence of Molecular Dipole Moment on the Redox-Induced Reorganization of \hat{I}^{\pm} -Helical Peptide Self-Assembled Monolayers: An Electrochemical SPR Investigation. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14513-14519.	1.5	42
100	Gold copper alloy nanoparticles (Au-Cu NPs) modified electrode as an enhanced electrochemical sensing platform for the detection of persistent toxic organic pollutants. <i>Electrochimica Acta</i> , 2017, 241, 281-290.	2.6	42
101	Reaction of Aryl Iodides with (PCP)Pd(II)-Alkyl and Aryl Complexes: Mechanistic Aspects of Carbon-Carbon Bond Formation. <i>Israel Journal of Chemistry</i> , 2001, 41, 163-172.	1.0	41
102	On the Role of Chirality in Guiding the Selfâ€”Assembly of Peptides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13288-13292.	7.2	41
103	Interaction of metal ions with tau protein. The case for a metal-mediated tau aggregation. <i>Journal of Inorganic Biochemistry</i> , 2019, 194, 44-51.	1.5	41
104	Tunable hierarchical surfaces of CuO derived from metalâ€”organic frameworks for non-enzymatic glucose sensing. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1512-1525.	3.0	41
105	Electrochemical probing of HIV enzymes using ferrocene-conjugated peptides on surfaces. <i>Analyst, The</i> , 2009, 134, 2400.	1.7	40
106	Photoinduced electron transfer in tris(2,2â€”bipyridine)ruthenium(ii)-viologen dyads with peptide backbones leading to long-lived charge separation and hydrogen evolution. <i>Dalton Transactions</i> , 2010, 39, 4421.	1.6	40
107	Towards an early diagnosis of HIV infection: an electrochemical approach for detection of HIV-1 reverse transcriptase enzyme. <i>Analyst, The</i> , 2011, 136, 708-715.	1.7	40
108	Enzymatically modified peptide surfaces: towards general electrochemical sensor platform for protein kinase catalyzed phosphorylations. <i>Analyst, The</i> , 2011, 136, 107-112.	1.7	40

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109	Smallâ€‘Peptideâ€‘Based Organogel Kit: Towards the Development of Multicomponent Selfâ€‘Sorting Organogels. <i>Chemistry - A European Journal</i> , 2013, 19, 15862-15871.	1.7	40
110	Amino Acid Chirality and Ferrocene Conformation Guided Selfâ€‘Assembly and Gelation of Ferroceneâ€‘Peptide Conjugates. <i>Chemistry - A European Journal</i> , 2015, 21, 11560-11572.	1.7	40
111	Electrocatalytic Reduction of CO ₂ to CH ₄ and CO in Aqueous Solution Using Pyridine-Porphyrins Immobilized onto Carbon Nanotubes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9549-9557.	3.2	39
112	Cytotoxic 1,3-diarylidene-2-tetralones and related compounds. <i>European Journal of Medicinal Chemistry</i> , 2002, 37, 813-824.	2.6	38
113	Synthesis, structure and electrochemistry of ferroceneâ€‘peptide macrocycles. <i>Dalton Transactions</i> , 2004, , 1726-1730.	1.6	38
114	Electrochemical analysis of HIV-1 reverse transcriptase serum level: Exploiting protein binding to a functionalized nanostructured surface. <i>Talanta</i> , 2011, 85, 770-778.	2.9	38
115	Electrochemical investigations into Tau protein phosphorylations. <i>Analyst, The</i> , 2012, 137, 2042.	1.7	38
116	DNA Films Containing the Artificial Nucleobase Imidazole Mediate Charge Transfer in a Silver(I)â€‘Responsive Way. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6098-6102.	7.2	38
117	Enhanced Electrochemical Reduction of CO ₂ to CO upon Immobilization onto Carbon Nanotubes Using an Ironâ€‘Porphyrin Dimer. <i>ChemistrySelect</i> , 2020, 5, 979-984.	0.7	38
118	Coenzymeâ€‘Q Functionalized CdTe/ZnS Quantum Dots for Reactive Oxygen Species (ROS) Imaging. <i>Chemistry - A European Journal</i> , 2011, 17, 5262-5271.	1.7	37
119	Gold nanoparticles-based multifunctional nanoconjugates for highly sensitive and enzyme-free detection of E.coli K12. <i>Talanta</i> , 2019, 193, 15-22.	2.9	37
120	Probing the Role of the Linker in Ferroceneâ€‘ATP Conjugates: Monitoring Protein Kinase Catalyzed Phosphorylations Electrochemically. <i>Chemistry - A European Journal</i> , 2011, 17, 6744-6752.	1.7	36
121	Interaction of metal ions and DNA films on gold surfaces: an electrochemical impedance study. <i>Analyst, The</i> , 2009, 134, 1309.	1.7	35
122	Ferroceneâ€‘Tryptophan Conjugate: An Example of a Redox-Controlled Reversible Supramolecular Nanofiber Network. <i>Organometallics</i> , 2013, 32, 5899-5905.	1.1	35
123	Surface Plasmon Resonance Imaging of Amyloid-Î² Aggregation Kinetics in the Presence of Epigallocatechin Gallate and Metals. <i>Analytical Chemistry</i> , 2013, 85, 2049-2055.	3.2	34
124	Synthesis and electrochemistry of 5-ferrocene-glucosamide, 5-ferrocene-glucosamide phosphate and 5-ferrocene-amido-5-adenosine in aqueous solution. <i>Journal of Organometallic Chemistry</i> , 2002, 648, 81-86.	0.8	33
125	Evaluation of an immobilized artificial carbonic anhydrase model for CO ₂ sequestration. <i>Chemical Science</i> , 2011, 2, 1515.	3.7	33
126	Rational Design and Application of a Redoxâ€‘Active, Photoresponsive, Discrete Metallogelator. <i>Chemistry - A European Journal</i> , 2015, 21, 7695-7700.	1.7	33

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127	The reactions of tridentate cationic palladium(II) complexes with olefins and nucleophiles. <i>Journal of Organometallic Chemistry</i> , 1995, 488, 223-232.	0.8	32
128	Ferrocenoyl glycylcystamine: organization into a supramolecular helicate structure. <i>Chemical Communications</i> , 2002, , 2430-2431.	2.2	32
129	(Pentamethylcyclopentadienyl)molybdenum Bromides and Iodides. <i>Inorganic Chemistry</i> , 1994, 33, 3752-3769.	1.9	31
130	Iridium-Silanol Complexes from Direct Oxidative Addition of Silanols to Ir(I). Synthesis and X-ray Structure of the First Metallosilanolate [(Et ₃ P)2Ir(H)(Cl)(SiPr ₂ OLi)] ₂ . <i>Journal of the American Chemical Society</i> , 1995, 117, 5865-5866.	6.6	31
131	Solvent effects on the redox properties of ferrocenoyl-dipeptides. <i>New Journal of Chemistry</i> , 2001, 25, 427-433.	1.4	31
132	Synthesis and study of amino acid based phosphinite ligands. <i>Journal of Organometallic Chemistry</i> , 2003, 674, 24-31.	0.8	31
133	Ferrocene-Assisted Stabilization of Collagen Mimetic Triple Helices: A Solid-Phase Synthesis and Structure. <i>Bioconjugate Chemistry</i> , 2006, 17, 84-89.	1.8	31
134	On the Role of Chirality in Guiding the Self-Assembly of Peptides. <i>Angewandte Chemie</i> , 2017, 129, 13473-13477.	1.6	31
135	A new look at an old ligand: surprises with thioethers. A density functional study. <i>Journal of the American Chemical Society</i> , 1992, 114, 7851-7860.	6.6	30
136	Protein-DNA interaction: impedance study of MutS binding to a DNA mismatch. <i>Chemical Communications</i> , 2004, , 574-575.	2.2	30
137	Exploiting Small Molecule Binding to DNA for the Detection of Single-Nucleotide Mismatches and Their Base Environment. <i>Analytical Chemistry</i> , 2007, 79, 2552-2555.	3.2	30
138	Amino acid-based amphiphilic hydrogels: metal ion induced tuning of mechanical and thermal stability. <i>RSC Advances</i> , 2017, 7, 14461-14465.	1.7	30
139	Aggregation of Microtubule Binding Repeats of Tau Protein is Promoted by Cu ²⁺ . <i>ACS Omega</i> , 2019, 4, 5356-5366.	1.6	30
140	The interaction of ferrocenoyl peptides with 3-aminopyrazole. <i>Coordination Chemistry Reviews</i> , 1999, 190-192, 185-198.	9.5	29
141	Chirality and Encapsulation Properties of Disubstituted Ferrocene Peptide Dendrimers. <i>Macromolecules</i> , 2006, 39, 5629-5638.	2.2	29
142	The effects of oligonucleotide overhangs on the surface hybridization in DNA films: an impedance study. <i>Analyst</i> , 2011, 136, 3107.	1.7	29
143	Recognizing the translocation signals of individual peptide-oligonucleotide conjugates using an α -hemolysin nanopore. <i>Chemical Communications</i> , 2012, 48, 8784.	2.2	29
144	Investigation of the Utility of Complementary Electrochemical Detection Techniques to Examine the in Vitro Affinity of Bacterial Flagellins for a Toll-Like Receptor 5 Biosensor. <i>Analytical Chemistry</i> , 2015, 87, 4218-4224.	3.2	29

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145	Glutamic Acid Dendrimers Attached to a Central Ferrocene Core: Synthesis and Properties. <i>Macromolecules</i> , 2005, 38, 7562-7570.	2.2	28
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