

Heinz Bernhard Kraatz

List of Publications by Year in Descending Order

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

355 papers	10,533 citations	51 h-index	82 g-index
376 ext. papers	11,516 ext. citations	5.5 avg, IF	6.56 L-index

#	Paper	IF	Citations
355	Electroreduction of carbon dioxide to formate using highly efficient bimetallic SnPd aerogels. <i>Materials Advances</i> , 2022 , 3, 1224-1230	3.3	1
354	Enzyme-free glucose sensors with efficient synergistic electro-catalysis based on a ferrocene derivative and two metal nanoparticles.. <i>RSC Advances</i> , 2022 , 12, 5072-5079	3.7	3
353	One step construction of an electrochemical sensor for melamine detection in milk towards an integrated portable system.. <i>Food Chemistry</i> , 2022 , 383, 132403	8.5	2
352	Direct anodization-induced nanomodification of gold films: investigating electrocatalysis of the emerging contaminant halobenzoquinone. <i>Journal of Materials Science</i> , 2022 , 57, 1230	4.3	0
351	Nanoporous Gold for the Miniaturization of In Vivo Electrochemical Aptamer-Based Sensors. <i>ACS Sensors</i> , 2021 , 6, 2299-2306	9.2	12
350	Synthesis and electrochemical study of coinage metal nanodendrites for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 2007-2017	6.7	2
349	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	12	15
348	Electroreduction of CO ₂ Catalyzed by Nickel Imidazolin-2-ylidenamino-Porphyrins in Both Heterogeneous and Homogeneous Molecular Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 521-530	8.3	9
347	Consecutive Silver(I) Ion Incorporation into Oligonucleotides containing Cytosine-Cytosine Mispairs. <i>ChemPlusChem</i> , 2021 , 86, 208	2.8	
346	Consecutive Silver(I) Ion Incorporation into Oligonucleotides containing Cytosine-Cytosine Mispairs. <i>ChemPlusChem</i> , 2021 , 86, 224-231	2.8	5
345	Electrochemical Reduction of CO at Coinage Metal Nanodendrites in Aqueous Ethanolamine. <i>Chemistry - A European Journal</i> , 2021 , 27, 1346-1355	4.8	5
344	Electrografting amines onto silver nanoparticle-modified electrodes for electroreduction of CO ₂ at low overpotential. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 9791-9797	13	7
343	Electrochemical detection of 25-hydroxyvitamin D ₃ using an oligonucleotide aptasensor. <i>Sensors and Actuators B: Chemical</i> , 2021 , 340, 129945	8.5	2
342	Metal-dependent electrochemical discrimination of DNA quadruplex sequences. <i>Journal of Biological Inorganic Chemistry</i> , 2021 , 26, 659-666	3.7	
341	Peptide-Polydopamine Nanocomposite Hydrogel for a Laser-Controlled Hydrophobic Drug Delivery.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 6652-6657	4.1	2
340	Development of an Electrochemical Sensor Using Pencil Graphite Electrode for Monitoring UV-Induced DNA Damage. <i>Journal of Chemical Education</i> , 2020 , 97, 4445-4452	2.4	1
339	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	8.3	24

338	A Very Simple Method for Detection of Bisphenol A in Environmental Water by Heme Signal Amplification. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 067503	3.9	6
337	Tunable hierarchical surfaces of CuO derived from metal-organic frameworks for non-enzymatic glucose sensing. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1512-1525	6.8	20
336	Enhanced Electrochemical Reduction of CO ₂ to CO upon Immobilization onto Carbon Nanotubes Using an Iron-Porphyrin Dimer. <i>ChemistrySelect</i> , 2020 , 5, 979-984	1.8	25
335	Supramolecular Peptide Gels: Influencing Properties by Metal Ion Coordination and Their Wide-Ranging Applications. <i>ACS Omega</i> , 2020 , 5, 1312-1317	3.9	28
334	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	8.3	24
333	Real-Time Electrochemical Detection of Uric Acid, Dopamine and Ascorbic Acid by Heme Directly Modified Carbon Electrode. <i>Journal of Biomedical Nanotechnology</i> , 2020 , 16, 29-39	4	7
332	Detection of carcinoembryonic antigen and Fetoprotein exploiting a 3D DNA walker strategy. <i>Sensors and Actuators B: Chemical</i> , 2020 , 319, 128327	8.5	7
331	Exploring the interactions of iron and zinc with the microtubule binding repeats R1 and R4. <i>Journal of Inorganic Biochemistry</i> , 2020 , 205, 110987	4.2	8
330	N-Heterocyclic carbene and thiol micropatterns enable the selective deposition and transfer of copper films. <i>Chemical Communications</i> , 2020 , 56, 1275-1278	5.8	15
329	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	7.4	28
328	Homogeneous and heterogeneous molecular catalysts for electrochemical reduction of carbon dioxide.. <i>RSC Advances</i> , 2020 , 10, 38013-38023	3.7	7
327	The construction of a simple sensor for the simultaneous detection of nitrite and thiosulfate by heme catalysis.. <i>RSC Advances</i> , 2020 , 10, 35007-35016	3.7	3
326	Multi-component peptide hydrogels - a systematic study incorporating biomolecules for the exploration of diverse, tuneable biomaterials. <i>Biomaterials Science</i> , 2020 , 8, 5601-5614	7.4	7
325	Remarkable Morphology Transformation from Fiber to Nanotube of a Histidine Organogel in Presence of a Binuclear Iron(III)Sulfur Complex. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 121-130	3.2	2
324	Enhanced Electrochemical Reduction of CO ₂ Catalyzed by Cobalt and Iron Amino Porphyrin Complexes. <i>ACS Applied Energy Materials</i> , 2019 , 2, 1330-1335	6.1	43
323	Advances in enzyme-based electrochemical sensors: current trends, benefits, and constraints 2019 , 555-590		4
322	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	6.1	44
321	Development of a Highly Sensitive Electrochemical Sensing Platform for the Trace Level Detection of Lead Ions. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B3136-B3142	3.9	16

3 ²⁰	Electrochemical studies of human nAChR $\alpha 7$ subunit phosphorylation by kinases PKA, PKC and Src. <i>Analytical Biochemistry</i> , 2019 , 574, 46-56	3.1	2
3 ¹⁹	Aggregation of Microtubule Binding Repeats of Tau Protein is Promoted by Cu. <i>ACS Omega</i> , 2019 , 4, 5356-5366	3.9	20
3 ¹⁸	Ferrocene Peptide-based Supramolecular Gels 2019 , 57-74		3
3 ¹⁷	Enzyme Entrapment in Amphiphilic Myristyl-Phenylalanine Hydrogels. <i>Molecules</i> , 2019 , 24,	4.8	9
3 ¹⁶	Facile synthesis of silver-rich Au/Ag bimetallic nanoparticles with highly active SERS properties. <i>New Journal of Chemistry</i> , 2019 , 43, 14772-14780	3.6	13
3 ¹⁵	Self-assembly of silver nanoparticles-low generation peptide dendrimer conjugates into poly-L-lysine. <i>Materials Letters</i> , 2019 , 254, 353-356	3.3	6
3 ¹⁴	Facile Approach for Synthesizing High-Performance MnO/C Electrodes from Rice Husk. <i>ACS Omega</i> , 2019 , 4, 18908-18917	3.9	9
3 ¹³	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	4.2	26
3 ¹²	Disposable electrochemical sensors for hemoglobin detection based on ferrocenoyl cysteine conjugates modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 130-136	8.5	31
3 ¹¹	Systematic exploration of the pH dependence of a peptide hydrogel. <i>Canadian Journal of Chemistry</i> , 2019 , 97, 430-434	0.9	3
3 ¹⁰	Synthesis and Biochemical Evaluation of Nicotinamide Derivatives as NADH Analogue Coenzymes in Ene Reductase. <i>ChemBioChem</i> , 2019 , 20, 838-845	3.8	6
3 ⁰⁹	Gold nanoparticles-based multifunctional nanoconjugates for highly sensitive and enzyme-free detection of E.coli K12. <i>Talanta</i> , 2019 , 193, 15-22	6.2	26
3 ⁰⁸	Direct Bisulfite-Free Detection of 5-Methylcytosine by Using Electrochemical Measurements Aided by a Monoclonal Antibody. <i>ChemElectroChem</i> , 2018 , 5, 1631-1635	4.3	5
3 ⁰⁷	Ag -Induced Switching of DNA Binding Modes via Formation of a Supramolecular Metallacycle. <i>Chemistry - A European Journal</i> , 2018 , 24, 3729-3732	4.8	3
3 ⁰⁶	Sensitive and Selective Detection of Multiple Metal Ions Using Amino Acids Modified Glassy Carbon Electrodes. <i>Journal of the Electrochemical Society</i> , 2018 , 165, B67-B73	3.9	14
3 ⁰⁵	Platinum(II)-glutamic acid dendrimer conjugates: Synthesis, characterization, DFT calculation, conformational analysis and catalytic properties. <i>Inorganica Chimica Acta</i> , 2018 , 473, 245-254	2.7	1
3 ⁰⁴	Simple synthesis of core-shell structure of Co ₃ O ₄ @ carbon-nanotube-incorporated nitrogen-doped carbon for high-performance supercapacitor. <i>Electrochimica Acta</i> , 2018 , 261, 537-547	6.7	133
3 ⁰³	Stimuli-responsive peptide-based biomaterials as drug delivery systems. <i>Chemical Engineering Journal</i> , 2018 , 353, 559-583	14.7	56

302	Supramolecular Assembly of Peptide and Metallopeptide Gelators and Their Stimuli-Responsive Properties in Biomedical Applications. <i>Chemistry - A European Journal</i> , 2018 , 24, 14316-14328	4.8	51
301	Hg(II) interactions with T-rich regions in oligonucleotides: effects of positional variations on the electrochemical properties. <i>Analyst, The</i> , 2018 , 143, 2844-2850	5	3
300	Metal Coordination to Unsymmetric 1,n'-Disubstituted Ferrocene Histidine Peptides. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 3213-3223	2.3	3
299	Core/Shell Nanoparticles Containing Peptide Dendrimers. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018 , 28, 457-462	3.2	5
298	Electrochemical detection of carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , 2018 , 102, 610-616	6.8	69
297	Electron Transfer in Spacer-Free DNA Duplexes Tethered to Gold via dA Tags. <i>Langmuir</i> , 2018 , 34, 8472-8479	4.7	16
296	A Bioorganometallic Approach to Study Histidine Kinase Autophosphorylations. <i>Chemistry - A European Journal</i> , 2017 , 23, 3152-3158	4.8	8
295	Ion-Dependent Modulation of Self-Healing Hydrogels. <i>ChemistrySelect</i> , 2017 , 2, 451-457	1.8	14
294	An unexpected use of ferrocene. A scanning electrochemical microscopy study of a toll-like receptor array and its interaction with E. coli. <i>Chemical Communications</i> , 2017 , 53, 2946-2949	5.8	12
293	Demonstration of a tailorable and PCR-free detection of Enterococcus DNA isolated from soil samples. <i>Analytical Methods</i> , 2017 , 9, 1643-1649	3.2	3
292	Interactions of Hg(II) with oligonucleotides having thymine-thymine mispairs. Optimization of an impedimetric Hg(II) sensor. <i>Analyst, The</i> , 2017 , 142, 1827-1834	5	7
291	A study of the interactions of Hg(II) with T-T mispair containing hairpin loops. <i>Electrochimica Acta</i> , 2017 , 243, 44-52	6.7	7
290	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	6.7	30
289	DNA Films Containing the Artificial Nucleobase Imidazole Mediate Charge Transfer in a Silver(I)-Responsive Way. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6098-6102	16.4	32
288	DNA-Filme mit der künstlichen Nucleobase Imidazol vermitteln Ladungstransfer in einer Silber(I)-abhängigen Weise. <i>Angewandte Chemie</i> , 2017 , 129, 6194-6198	3.6	12
287	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	3.4	35
286	Helically Chiral Peptides That Contain Ferrocene-1,1'-diamine Scaffolds as a Turn Inducer. <i>Chemistry - A European Journal</i> , 2017 , 23, 10372-10395	4.8	11
285	Functionalization of Ruthenium(II)(p-cymene)(3-hydroxy-2-pyridone) Complexes with (Thio)Morpholine: Synthesis and Bioanalytical Studies. <i>ChemPlusChem</i> , 2017 , 82, 841-847	2.8	12

284	Detection of the Lipopeptide Pam3CSK4 Using a Hybridized Toll-like Receptor Electrochemical Sensor. <i>Analytical Chemistry</i> , 2017 , 89, 4882-4888	7.8	9
283	Electrochemical studies of tau protein-iron interactionsPotential implications for Alzheimer's Disease. <i>Electrochimica Acta</i> , 2017 , 236, 384-393	6.7	30
282	Amino acid-based amphiphilic hydrogels: metal ion induced tuning of mechanical and thermal stability. <i>RSC Advances</i> , 2017 , 7, 14461-14465	3.7	26
281	Metal coordination of ferrocene-histidine conjugates. <i>Dalton Transactions</i> , 2017 , 46, 4844-4859	4.3	9
280	A Ferrocene-Tryptophan Conjugate: The Role of the Indolic Nitrogen in Supramolecular Assembly. <i>ChemPlusChem</i> , 2017 , 82, 1282-1289	2.8	19
279	On the Role of Chirality in Guiding the Self-Assembly of Peptides. <i>Angewandte Chemie</i> , 2017 , 129, 13473-13475	13.4	75
278	On the Role of Chirality in Guiding the Self-Assembly of Peptides. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13288-13292	16.4	22
277	Advances in the synthesis, molecular architectures and potential applications of gemini surfactants. <i>Advances in Colloid and Interface Science</i> , 2017 , 248, 35-68	14.3	100
276	Toll-like receptors for pathogen detection in water: challenges and benefits. <i>International Journal of Environmental Analytical Chemistry</i> , 2016 , 1-9	1.8	4
275	Simple direct formation of self-assembled N-heterocyclic carbene monolayers on gold and their application in biosensing. <i>Nature Communications</i> , 2016 , 7, 12654	17.4	121
274	pH and Temperature Responsive Electrooxidation and Antioxidant Activity of Indole-3-Carbaldehyde. <i>Journal of the Electrochemical Society</i> , 2016 , 163, H690-H696	3.9	5
273	pH and Temperature Responsive Electrooxidation of Thiazole Derivatives and Preliminary Screening of Their Antioxidant Activity. <i>Journal of the Electrochemical Society</i> , 2016 , 163, H350-H358	3.9	3
272	Molecular photo-charge-separators enabling single-pigment-driven multi-electron transfer and storage leading to H ₂ evolution from water. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 671-680	6.8	20
271	Development of surfactant based electrochemical sensor for the trace level detection of mercury. <i>Electrochimica Acta</i> , 2016 , 190, 1007-1014	6.7	37
270	Ferrocene-Modified Phospholipid: An Innovative Precursor for Redox-Triggered Drug Delivery Vesicles Selective to Cancer Cells. <i>Langmuir</i> , 2016 , 32, 4169-78	4	49
269	Characterization of TLR4/MD-2-modified Au sensor surfaces towards the detection of molecular signatures of bacteria. <i>Analytical Methods</i> , 2016 , 8, 7623-7631	3.2	14
268	Redox Mechanism, Antioxidant Activity and Computational Studies of Triazole and Phenol Containing Schiff Bases. <i>Journal of the Electrochemical Society</i> , 2016 , 163, H871-H880	3.9	6
267	Effects of bipyramidal gold nanoparticles and gold nanorods on the detection of immunoglobulins. <i>Analyst, The</i> , 2016 , 141, 6080-6086	5	15

266	Synthesis, characterization, and application of AuAg alloy nanoparticles for the sensing of an environmental toxin, pyrene. <i>Journal of Applied Electrochemistry</i> , 2015 , 45, 463-472	2.6	46
265	pH- and temperature-responsive redox behavior of hydroxyanthracenediones. <i>Comptes Rendus Chimie</i> , 2015 , 18, 823-833	2.7	
264	pH and temperature responsive redox behavior of biologically important aniline derivatives. <i>RSC Advances</i> , 2015 , 5, 64617-64625	3.7	5
263	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, 4218-24	7.8	25
262	Monitoring of 2-butanone using a AgCu bimetallic alloy nanoscale electrochemical sensor. <i>RSC Advances</i> , 2015 , 5, 44427-44434	3.7	29
261	Nanoparticle-Based Detection of Protein Phosphorylation 2015 , 251-267		
260	Sensitive electrochemical detection of Salmonella with chitosan-gold nanoparticles composite film. <i>Talanta</i> , 2015 , 140, 122-127	6.2	64
259	Scanning Electrochemical Microscopy: A Multiplexing Tool for Electrochemical DNA Biosensing 2015 , 1-18		
258	Synthesis, Spectroscopic Characterization, pH Dependent Electrochemistry and Computational Studies of Piperazinic Compounds. <i>Journal of the Electrochemical Society</i> , 2015 , 162, H32-H39	3.9	9
257	Synthesis, spectroscopic characterization and pH dependent photometric and electrochemical fate of Schiff bases. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 138, 58-66	4.4	12
256	Recent advances and developments in monitoring biological agents in water samples. <i>Reviews in Environmental Science and Biotechnology</i> , 2015 , 14, 23-48	13.9	14
255	Rational design and application of a redox-active, photoresponsive, discrete metallogelator. <i>Chemistry - A European Journal</i> , 2015 , 21, 7695-700	4.8	32
254	ATP Analogs in Protein Kinase Research 2015 , 137-168		1
253	Amino Acid Chirality and Ferrocene Conformation Guided Self-Assembly and Gelation of Ferrocene-Peptide Conjugates. <i>Chemistry - A European Journal</i> , 2015 , 21, 11560-72	4.8	33
252	Clickable 5'-Ferrocenyl adenosine triphosphate bioconjugates in kinase-catalyzed phosphorylations. <i>Chemistry - A European Journal</i> , 2015 , 21, 4988-99	4.8	12
251	pH Dependent Electrochemistry of Anthracenediones at a Glassy Carbon Electrode. <i>Journal of the Electrochemical Society</i> , 2015 , 162, H157-H163	3.9	15
250	Electron transfer in peptides. <i>Chemical Society Reviews</i> , 2015 , 44, 1015-27	58.5	85
249	pH Dependent Electrochemical Characterization, Computational Studies and Evaluation of Thermodynamic, Kinetic and Analytical Parameters of Two Phenazines. <i>Journal of the Electrochemical Society</i> , 2015 , 162, H115-H123	3.9	22

248	Redox-triggered changes in the self-assembly of a ferrocene-peptide conjugate. <i>Chemical Communications</i> , 2014 , 50, 5551-3	5.8	48
247	Synthesis, Characterization of Some Ferrocenoyl Cysteine and Histidine Conjugates, and Their Interactions with Some Metal Ions. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 5337-5347	2.3	10
246	Dual localized scanning plasmon resonance and electrochemical investigations of organophosphorus insecticides presence. <i>RSC Advances</i> , 2014 , 4, 1484-1488	3.7	1
245	Electrochemical detection of the Fc-STAT3 phosphorylation and STAT3-Fc-STAT3 dimerization and inhibition. <i>Molecular BioSystems</i> , 2014 , 10, 576-80		4
244	Toll-like receptor 3 modified Au electrodes: an investigation into the interaction of TLR3 immobilized on Au surfaces with poly(I:C). <i>Analytical Methods</i> , 2014 , 6, 3322-3328	3.2	11
243	pH-dependent redox mechanism and evaluation of kinetic and thermodynamic parameters of a novel anthraquinone. <i>RSC Advances</i> , 2014 , 4, 31657-31665	3.7	14
242	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	7.3	56
241	Synthesis, spectroscopic characterization, pH dependent redox mechanism and DNA binding behavior of chlorohydroxyaniline derivatives. <i>RSC Advances</i> , 2014 , 4, 22299-22307	3.7	5
240	Polymeric micelles as drug delivery vehicles. <i>RSC Advances</i> , 2014 , 4, 17028-17038	3.7	334
239	Bis-amino Acid Derivatives of 1,1'-Ferrocenedicarboxylic Acid: Structural, Electrochemical, and Metal Ion Binding Studies. <i>Organometallics</i> , 2014 , 33, 4873-4887	3.8	16
238	Impedance based detection of pathogenic E. coli O157:H7 using a ferrocene-antimicrobial peptide modified biosensor. <i>Biosensors and Bioelectronics</i> , 2014 , 58, 193-9	11.8	109
237	Detailed Electrochemistry of the Environmental Toxin Ethylene Diamine. <i>Journal of the Electrochemical Society</i> , 2014 , 161, H370-H374	3.9	8
236	Synthesis, Spectroscopic Characterization and pH Dependent Electrochemical Fate of Two Non-Ionic Surfactants. <i>Journal of the Electrochemical Society</i> , 2014 , 161, H885-H890	3.9	12
235	Biological activity, pH dependent redox behavior and UV-Vis spectroscopic studies of naphthalene derivatives. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 140, 173-81	6.7	3
234	Ultra stable self-assembled monolayers of N-heterocyclic carbenes on gold. <i>Nature Chemistry</i> , 2014 , 6, 409-14	17.6	294
233	Effects of surfactants on electrochemically prepared Ag nanostructures. <i>Analyst, The</i> , 2013 , 138, 5920-5		2
232	Probing copper/tau protein interactions electrochemically. <i>Analytical Biochemistry</i> , 2013 , 442, 130-7	3.1	39
231	Tailoring zinc porphyrin to the Ag nanostructure substrate: an effective approach for photoelectrochemical studies in the presence of mononucleotides. <i>Analyst, The</i> , 2013 , 138, 3380-7	5	2

230	Stimuli-responsive supramolecular gelation in ferrocene-peptide conjugates. <i>Chemistry - A European Journal</i> , 2013 , 19, 17296-300	4.8	39
229	A novel colorimetric potassium sensor based on the substitution of lead from G-quadruplex. <i>Analyst, The</i> , 2013 , 138, 856-62	5	45
228	Surface plasmon resonance imaging of amyloid- β aggregation kinetics in the presence of epigallocatechin gallate and metals. <i>Analytical Chemistry</i> , 2013 , 85, 2049-55	7.8	30
227	Interactions of Metal Ions with DNA and Some Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013 , 23, 4-23	3.2	71
226	Sonication-induced coiled fibrous architectures of Boc-L-Phe-L-Lys(Z)-OMe. <i>Chemistry - A European Journal</i> , 2013 , 19, 1769-77	4.8	25
225	Electrochemical signature of mismatch in overhang DNA films: a scanning electrochemical microscopic study. <i>Analyst, The</i> , 2013 , 138, 3538-43	5	9
224	Electrochemical investigations into kinase-catalyzed transformations of tau protein. <i>ACS Chemical Neuroscience</i> , 2013 , 4, 1194-203	5.7	20
223	Ferrocene-tryptophan Conjugate: An Example of a Redox-Controlled Reversible Supramolecular Nanofiber Network. <i>Organometallics</i> , 2013 , 32, 5899-5905	3.8	33
222	Chemical biology toolkit for exploring protein kinase catalyzed phosphorylation reactions. <i>Chemical Science</i> , 2013 , 4, 42-59	9.4	14
221	Small-peptide-based organogel kit: towards the development of multicomponent self-sorting organogels. <i>Chemistry - A European Journal</i> , 2013 , 19, 15862-71	4.8	39
220	Electrochemical "signal-on" reporter for amyloid aggregates. <i>ChemPhysChem</i> , 2012 , 13, 542-8	3.2	10
219	Effect of Ferrocene Position on Charge Transfer in ds-DNA Films. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 178-182	3.2	7
218	Recognizing the translocation signals of individual peptide-oligonucleotide conjugates using an Hemolysin nanopore. <i>Chemical Communications</i> , 2012 , 48, 8784-6	5.8	28
217	Studies of the interaction of two organophosphonates with nanostructured silver surfaces. <i>Analyst, The</i> , 2012 , 137, 4448-53	5	24
216	Electrochemical investigations into Tau protein phosphorylations. <i>Analyst, The</i> , 2012 , 137, 2042-6	5	33
215	Electrochemical investigations of Tau protein phosphorylations and interactions with Pin1. <i>Chemistry and Biodiversity</i> , 2012 , 9, 1693-702	2.5	20
214	Synthesis of a series of 1, n -disubstituted ferrocene derivatives containing disulfides. <i>Inorganica Chimica Acta</i> , 2012 , 391, 195-200	2.7	1
213	Electron Transfer Mechanism in Helical Peptides. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 709-13	6.4	41

212	Scanning positional variations in single-nucleotide polymorphism of DNA: an electrochemical study. <i>Analyst, The</i> , 2012 , 137, 4220-5	5	21
211	Magnetic, electrochemical and spectroscopic properties of iron(III) amine-bis(phenolate) halide complexes. <i>Dalton Transactions</i> , 2012 , 41, 4806-16	4.3	26
210	Synthesis and Surface Investigations of N-Substituted 2,5-Dithio-7-azabicyclo[2.2.1]heptanes on Gold Surfaces. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 7886-7896	3.8	10
209	Electrochemical detection of hepatitis C viral NS3-4A protease. <i>Analyst, The</i> , 2012 , 137, 1120-4	5	12
208	Versatile strategy for biochemical, electrochemical and immunoarray detection of protein phosphorylations. <i>Journal of the American Chemical Society</i> , 2012 , 134, 17036-45	16.4	65
207	Structure-activity relationships of targeted Ru(II)-p-cymene anticancer complexes with flavonol-derived ligands. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 10512-22	8.3	119
206	Study of amyloid β -peptide (A β 2-28-Cys) interactions with Congo red and β -sheet breaker peptides using electrochemical impedance spectroscopy. <i>Langmuir</i> , 2012 , 28, 6377-85	4	9
205	Hierarchical organization of ferrocene-peptides. <i>Chemistry - A European Journal</i> , 2012 , 18, 9099-105	4.8	9
204	Electrochemical screening of the indole/quinolone derivatives as potential protein kinase CK2 inhibitors. <i>Analytical Biochemistry</i> , 2012 , 421, 617-21	3.1	11
203	Electrochemical identification of artificial oligonucleotides related to bovine species. Potential for identification of species based on mismatches in the mitochondrial cytochrome C1 oxidase gene. <i>Analyst, The</i> , 2011 , 136, 4724-31	5	15
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