

Heinz Bernhard Kraatz

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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	Polymeric micelles as drug delivery vehicles. <i>RSC Advances</i> , 2014 , 4, 17028-17038	3.7	334
354	Ultra stable self-assembled monolayers of N-heterocyclic carbenes on gold. <i>Nature Chemistry</i> , 2014 , 6, 409-14	17.6	294
353	Impedimetric immobilized DNA-based sensor for simultaneous detection of Pb ²⁺ , Ag ⁺ , and Hg ²⁺ . <i>Analytical Chemistry</i> , 2011 , 83, 6896-901	7.8	245
352	Transport of alpha-helical peptides through alpha-hemolysin and aerolysin pores. <i>Biochemistry</i> , 2006 , 45, 9172-9	3.2	220
351	Systematizing structural motifs and nomenclature in 1,n'-disubstituted ferrocene peptides. <i>Chemical Society Reviews</i> , 2006 , 35, 348-54	58.5	186
350	A conformational and structure-activity relationship study of cytotoxic 3,5-bis(arylidene)-4-piperidones and related N-acryloyl analogues. <i>Journal of Medicinal Chemistry</i> , 2001 , 44, 586-93	8.3	180
349	Stimuli responsive materials: new avenues toward smart organic devices. <i>Journal of Materials Chemistry</i> , 2005 , 15, 4480		174
348	Structure of Peptides Investigated by Nanopore Analysis. <i>Nano Letters</i> , 2004 , 4, 1273-1277	11.5	154
347	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
346	Ferrocenoyl Amino Acids: A Synthetic and Structural Study. <i>Inorganic Chemistry</i> , 1997 , 36, 2400-2405	5.1	131
345	Nanopore analysis of amyloid peptide aggregation transition induced by small molecules. <i>Analytical Chemistry</i> , 2011 , 83, 1746-52	7.8	126
344	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
343	Helically chiral ferrocene peptides containing 1'-aminoferrocene-1-carboxylic acid subunits as turn inducers. <i>Chemistry - A European Journal</i> , 2006 , 12, 4965-80	4.8	120
342	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
341	Peptide electron transfer: more questions than answers. <i>Chemistry - A European Journal</i> , 2005 , 11, 5186-24	4.8	117
340	Effect of the surface curvature on the secondary structure of peptides adsorbed on nanoparticles. <i>Journal of the American Chemical Society</i> , 2007 , 129, 6356-7	16.4	110
339	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

338	Ferrocene-peptido conjugates: from synthesis to sensory applications. <i>Dalton Transactions</i> , 2011 , 40, 7264-90	4.3	104
337	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
336	Is the reactivity of M(II)-arene complexes of 3-hydroxy-2(1H)-pyridones to biomolecules the anticancer activity determining parameter?. <i>Inorganic Chemistry</i> , 2010 , 49, 7953-63	5.1	98
335	Electrochemical detection of single-nucleotide mismatches: application of M-DNA. <i>Analytical Chemistry</i> , 2004 , 76, 4059-65	7.8	93
334	Ferrocene-Conjugates of Amino Acids, Peptides and Nucleic Acids. <i>Journal of Inorganic and Organometallic Polymers</i> , 2005 , 15, 83-106		92
333	A comparison of electron-transfer rates of ferrocenoyl-linked DNA. <i>Journal of the American Chemical Society</i> , 2003 , 125, 8724-5	16.4	88
332	Electrochemical detection of kinase-catalyzed phosphorylation using ferrocene-conjugated ATP. <i>Chemical Communications</i> , 2008 , 502-4	5.8	87
331	Electron transfer in peptides. <i>Chemical Society Reviews</i> , 2015 , 44, 1015-27	58.5	85
330	AC impedance spectroscopy of native DNA and M-DNA. <i>Biophysical Journal</i> , 2003 , 84, 3218-25	2.9	85
329	Peptide biosensors for the electrochemical measurement of protein kinase activity. <i>Analytical Chemistry</i> , 2008 , 80, 9395-401	7.8	78
328	Correlations between cytotoxicity and topography of some 2-arylidenebenzocycloalkanones determined by X-ray crystallography. <i>Journal of Medicinal Chemistry</i> , 2002 , 45, 3103-11	8.3	78
327	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. <i>Chemistry - A European Journal</i> , 2007 , 13, 5885-95	4.8	76
326	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
325	Electron transfer studies on self-assembled monolayers of helical ferrocenoyl-oligoproline-cystamine bound to gold. <i>ChemPhysChem</i> , 2002 , 3, 356-9	3.2	71
324	Photophysics of pyrene-labelled compounds of biophysical interest. <i>Photochemical and Photobiological Sciences</i> , 2005 , 4, 191-9	4.2	69
323	Electrochemical detection of carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , 2018 , 102, 610-616	61.8	69
322	Carbon-Carbon vs Carbon-Hydrogen Bond Activation by Ruthenium(II) and Platinum(II) in Solution. <i>Organometallics</i> , 1999 , 18, 3873-3884	3.8	68
321	The ferrocene moiety as a structural probe: redox and structural properties of ferrocenoyl-oligoprolines Fc-Pro ⁿ -OBzl (n=1-4) and Fc-Pro ² -Phe ⁿ -OBzl. <i>Journal of Organometallic Chemistry</i> , 1999 , 589, 38-49	2.3	67

3 ²⁰	Scanning electrochemical microscopy. 51. Studies of self-assembled monolayers of DNA in the absence and presence of metal ions. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 5193-8	3.4	66
3 ¹⁹	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
3 ¹⁸	Sensitive electrochemical detection of Salmonella with chitosan-gold nanoparticles composite film. <i>Talanta</i> , 2015 , 140, 122-127	6.2	64
3 ¹⁷	Interaction of ferrocenoyl-dipeptides with 3-aminopyrazole derivatives: beta-sheet models? A synthetic, spectroscopic, structural, and electrochemical study. <i>Inorganic Chemistry</i> , 2001 , 40, 4409-19	5.1	64
3 ¹⁶	1,1'-Ferrocenoyl oligoproline. A synthetic, structural and electrochemical study. <i>Journal of Organometallic Chemistry</i> , 2001 , 637-639, 335-342	2.3	63
3 ¹⁵	Unlabeled hairpin-DNA probe for the detection of single-nucleotide mismatches by electrochemical impedance spectroscopy. <i>Analytical Chemistry</i> , 2008 , 80, 2255-60	7.8	62
3 ¹⁴	Ferrocenic acid derivatives: towards rationalizing changes in the electronic and geometric structures. <i>Journal of Organometallic Chemistry</i> , 1998 , 556, 11-20	2.3	60
3 ¹³	Electrochemical detection of single-nucleotide mismatches using an electrode microarray. <i>Analytical Chemistry</i> , 2006 , 78, 6096-101	7.8	59
3 ¹²	Electron transfer across helical peptides: Potential influence of molecular dynamics. <i>Chemical Physics</i> , 2006 , 326, 246-251	2.3	59
3 ¹¹	Stimuli-responsive peptide-based biomaterials as drug delivery systems. <i>Chemical Engineering Journal</i> , 2018 , 353, 559-583	14.7	56
3 ¹⁰	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
3 ⁰⁹	Designer Peptides: Attempt to Control Peptide Structure by Exploiting Ferrocene as a Scaffold. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 3205-3218	2.3	56
3 ⁰⁸	Electrochemical detection of protein tyrosine kinase-catalysed phosphorylation using gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 1484-9	11.8	56
3 ⁰⁷	Electrochemical Investigations of M-DNA Self-Assembled Monolayers on Gold Electrodes. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 2291-2296	3.4	53
3 ⁰⁶	Electron Transfer through H-bonded Peptide Assemblies. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 20164-20172	3.4	52
3 ⁰⁵	Rhodium and Palladium Complexes of a 3,5-Lutidine-Based Phosphine Ligand. <i>Inorganic Chemistry</i> , 1996 , 35, 1792-1797	5.1	52
3 ⁰⁴	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
3 ⁰³	Amino acid conjugates of 1,1'-diaminoferrrocene. Synthesis and chiral organization. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 3018-23	3.9	51

302	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, 1148-62	4.8	50
301	Rational design of bioorganometallic foldamers: a potential model for parallel beta-helical peptides. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6882-4	16.4	49
300	Synthesis and Electrochemical Characterization of Metallocene-DNA Oligomers. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 3207-3210	2.3	49
299	π -Acidity of thioethers and selenoethers: truth or fiction? A comparative density functional study. <i>Organometallics</i> , 1993 , 12, 76-80	3.8	49
298	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
297	Redox-triggered changes in the self-assembly of a ferrocene-peptide conjugate. <i>Chemical Communications</i> , 2014 , 50, 5551-3	5.8	48
296	Surface studies of aminoferrocene derivatives on gold: electrochemical sensors for chemical warfare agents. <i>Analytical Chemistry</i> , 2007 , 79, 2877-84	7.8	48
295	Interaction of a ferrocenoyl-modified peptide with papain: toward protein-sensitive electrochemical probes. <i>Bioconjugate Chemistry</i> , 2003 , 14, 601-6	6.3	48
294	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
293	Reorganization energies of ferrocene-peptide monolayers. <i>Langmuir</i> , 2007 , 23, 12765-70	4	46
292	Efficient synthesis of unsymmetrically disubstituted ferrocenes: towards electrochemical dipeptide-Fc-biosensors. <i>Tetrahedron Letters</i> , 2001 , 42, 2601-2603	2	46
291	A novel colorimetric potassium sensor based on the substitution of lead from G-quadruplex. <i>Analyst</i> , 2013 , 138, 856-62	5	45
290	Electrochemical detection of kinase-catalyzed thiophosphorylation using gold nanoparticles. <i>Chemical Communications</i> , 2007 , 5019-21	5.8	45
289	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
288	Unlabeled hairpin DNA probe for electrochemical detection of single-nucleotide mismatches based on MutS-DNA interactions. <i>Analytical Chemistry</i> , 2009 , 81, 8639-43	7.8	44
287	Noncovalent modification of carbon nanotubes with ferrocene-amino acid conjugates for electrochemical sensing of chemical warfare agent mimics. <i>Analytical Chemistry</i> , 2008 , 80, 2574-82	7.8	44
286	M-DNA: a self-assembling molecular wire for nanoelectronics and biosensing. <i>Analytical Sciences</i> , 2003 , 19, 23-6	1.7	44
285	Changes in the hydrogen bonding pattern in ferrocene peptides. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 4669-4677	2.3	44

284	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	5.1	44
283	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
282	Study of electron transfer in ferrocene-labeled collagen-like peptides. <i>Langmuir</i> , 2007 , 23, 6475-7	4	43
281	Electrochemical and Surface Study of Ferrocenoyl Oligopeptides. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 704-714	3.4	43
280	Biodegradation of poly(2-hydroxyethyl methacrylate) (PHEMA) and poly{(2-hydroxyethyl methacrylate)-co-[poly(ethylene glycol) methyl ether methacrylate]} hydrogels containing peptide-based cross-linking agents. <i>Biomacromolecules</i> , 2010 , 11, 2949-59	6.9	42
279	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	2.7	42
278	Activation of a non-strained C≡C bond with platinum(II). <i>Chemical Communications</i> , 1996 , 2167-2168	5.8	42
277	Electron Transfer Mechanism in Helical Peptides. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 709-13	6.4	41
276	Discovery of a pseudo beta barrel: synthesis and formation by tiling of ferrocene cyclopeptides. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 751-4	16.4	41
275	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	3.4	41
274	The Influence of Molecular Dipole Moment on the Redox-Induced Reorganization of Helical Peptide Self-Assembled Monolayers: An Electrochemical SPR Investigation. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 14519	3.8	40
273	How useful is ferrocene as a scaffold for the design of beta-sheet foldamers?. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7056-9	16.4	40
272	Synthesis, characterization, and electrochemical studies on [1.1]ferrocenophanes containing aluminum, gallium, and indium. <i>Inorganic Chemistry</i> , 2006 , 45, 454-9	5.1	40
271	Probing copper/tau protein interactions electrochemically. <i>Analytical Biochemistry</i> , 2013 , 442, 130-7	3.1	39
270	Stimuli-responsive supramolecular gelation in ferrocene-peptide conjugates. <i>Chemistry - A European Journal</i> , 2013 , 19, 17296-300	4.8	39
269	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
268	Towards an early diagnosis of HIV infection: an electrochemical approach for detection of HIV-1 reverse transcriptase enzyme. <i>Analyst, The</i> , 2011 , 136, 708-15	5	39
267	Detection of single-nucleotide mismatches using scanning electrochemical microscopy. <i>Chemical Communications</i> , 2009 , 1189-91	5.8	38

266	Photoinduced electron transfer in tris(2,2'-bipyridine)ruthenium(II)-viologen dyads with peptide backbones leading to long-lived charge separation and hydrogen evolution. <i>Dalton Transactions</i> , 2010 , 39, 4421-34	4.3	38
265	Development of surfactant based electrochemical sensor for the trace level detection of mercury. <i>Electrochimica Acta</i> , 2016 , 190, 1007-1014	6.7	37
264	Evidence for Direct trans Insertion in a Hydrido-Olefin Rhodium Complex-Free Nitrogen as a Trap in a Migratory Insertion Process. <i>Chemistry - A European Journal</i> , 1997 , 3, 253-60	4.8	37
263	An electrochemical approach for the detection of HIV-1 protease. <i>Chemical Communications</i> , 2007 , 3829-38	5.8	37
262	Coenzyme Q functionalized CdTe/ZnS quantum dots for reactive oxygen species (ROS) imaging. <i>Chemistry - A European Journal</i> , 2011 , 17, 5262-71	4.8	36
261	Impedance based detection of chemical warfare agent mimics using ferrocene-lysine modified carbon nanotubes. <i>Analytical Chemistry</i> , 2010 , 82, 3191-7	7.8	36
260	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
259	Electrochemical analysis of HIV-1 reverse transcriptase serum level: exploiting protein binding to a functionalized nanostructured surface. <i>Talanta</i> , 2011 , 85, 770-8	6.2	35
258	Enzymatically modified peptide surfaces: towards general electrochemical sensor platform for protein kinase catalyzed phosphorylations. <i>Analyst, The</i> , 2011 , 136, 107-12	5	35
257	Synthesis, structure and electrochemistry of ferrocene-peptide macrocycles. <i>Dalton Transactions</i> , 2004 , 1726-30	4.3	35
256	Electrochemical probing of HIV enzymes using ferrocene-conjugated peptides on surfaces. <i>Analyst, The</i> , 2009 , 134, 2400-4	5	34
255	Interaction of metal ions and DNA films on gold surfaces: an electrochemical impedance study. <i>Analyst, The</i> , 2009 , 134, 1309-13	5	34
254	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
253	Electrochemical investigations into Tau protein phosphorylations. <i>Analyst, The</i> , 2012 , 137, 2042-6	5	33
252	Ferrocene-tryptophan Conjugate: An Example of a Redox-Controlled Reversible Supramolecular Nanofiber Network. <i>Organometallics</i> , 2013 , 32, 5899-5905	3.8	33
251	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
250	Rational design and application of a redox-active, photoresponsive, discrete metallogelator. <i>Chemistry - A European Journal</i> , 2015 , 21, 7695-700	4.8	32
249	Probing the role of the linker in ferrocene-ATP conjugates: monitoring protein kinase catalyzed phosphorylations electrochemically. <i>Chemistry - A European Journal</i> , 2011 , 17, 6744-52	4.8	32

248	Cytotoxic 1,3-diarylidene-2-tetralones and related compounds. <i>European Journal of Medicinal Chemistry</i> , 2002 , 37, 813-24	6.8	32
247	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	2.3	32
246	Ferrocenoyl glycylcystamine: organization into a supramolecular helicate structure. <i>Chemical Communications</i> , 2002 , 2430-1	5.8	32
245	Ferrocene-assisted stabilization of collagen mimetic triple helices: solid-phase synthesis and structure. <i>Bioconjugate Chemistry</i> , 2006 , 17, 84-9	6.3	31
244	Synthesis and study of amino acid based phosphinite ligands. <i>Journal of Organometallic Chemistry</i> , 2003 , 674, 24-31	2.3	31
243	Solvent effects on the redox properties of ferrocenoyl-dipeptides. <i>New Journal of Chemistry</i> , 2001 , 25, 427-433	3.6	31
242	The reactions of tridentate cationic palladium(II) complexes with olefins and nucleophiles. <i>Journal of Organometallic Chemistry</i> , 1995 , 488, 223-232	2.3	31
241	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
240	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
239	Electrochemical studies of tau protein-iron interactionsPotential implications for Alzheimer's Disease. <i>Electrochimica Acta</i> , 2017 , 236, 384-393	6.7	30
238	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
237	Protein-DNA interaction: impedance study of MutS binding to a DNA mismatch. <i>Chemical Communications</i> , 2004 , 574-5	5.8	30
236	Monitoring of 2-butanone using a Ag ₂ Cu bimetallic alloy nanoscale electrochemical sensor. <i>RSC Advances</i> , 2015 , 5, 44427-44434	3.7	29
235	Evaluation of an immobilized artificial carbonic anhydrase model for CO ₂ sequestration. <i>Chemical Science</i> , 2011 , 2, 1515	9.4	29
234	Exploiting small molecule binding to DNA for the detection of single-nucleotide mismatches and their base environment. <i>Analytical Chemistry</i> , 2007 , 79, 2552-5	7.8	29
233	The interaction of ferrocenoyl peptides with 3-aminopyrazole. <i>Coordination Chemistry Reviews</i> , 1999 , 190-192, 185-198	23.2	29
232	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
231	Recognizing the translocation signals of individual peptide-oligonucleotide conjugates using an Hemolysin nanopore. <i>Chemical Communications</i> , 2012 , 48, 8784-6	5.8	28

230	Glutamic Acid Dendrimers Attached to a Central Ferrocene Core: Synthesis and Properties. <i>Macromolecules</i> , 2005 , 38, 7562-7570	5.5	28
229	Chip-based microelectrodes for detection of single-nucleotide mismatch. <i>Analytical Chemistry</i> , 2005 , 77, 5766-9	7.8	28
228	Chirality and Encapsulation Properties of Disubstituted FerrocenePeptide Dendrimers. <i>Macromolecules</i> , 2006 , 39, 5629-5638	5.5	28
227	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
226	The effects of oligonucleotide overhangs on the surface hybridization in DNA films: an impedance study. <i>Analyst, The</i> , 2011 , 136, 3107-12	5	27
225	(Pentamethylcyclopentadienyl)molybdenum Bromides and Iodides. <i>Inorganic Chemistry</i> , 1994 , 33, 3752-3769	3.7	27
224	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	16.4	27
223	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
222	Magnetic, electrochemical and spectroscopic properties of iron(III) amine-bis(phenolate) halide complexes. <i>Dalton Transactions</i> , 2012 , 41, 4806-16	4.3	26
221	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
220	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
219	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
218	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
217	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
216	Combined X-ray absorption spectroscopy and density functional theory examination of ferrocene-labeled peptides. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 5955-65	3.4	25
215	Ferrocenoyl-amino acids: redox response towards di- and trivalent metal ions. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 1209-1217	2.3	25
214	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
213	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

212	Studies of the interaction of two organophosphonates with nanostructured silver surfaces. <i>Analyst, The</i> , 2012 , 137, 4448-53	5	24
211	Comparative theoretical and experimental study of the radiation-induced decomposition of glycine. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 5360-6	2.8	24
210	Rational Design of Bioorganometallic Foldamers: A Potential Model for Parallel β -Helical Peptides. <i>Angewandte Chemie</i> , 2006 , 118, 7036-7038	3.6	24
209	Rearrangement of the Active Ester Intermediate During HOBt/EDC Amide Coupling. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 173-180	2.3	23
208	Iridium-Silanol Complexes from Direct Oxidative Addition of Silanols to Ir(I). Synthesis and X-ray Structure of the First Metallocosilanolate [(Et ₃ P)2Ir(H)(Cl)(SiiPr ₂ OLi)] ₂ . <i>Journal of the American Chemical Society</i> , 1995 , 117, 5865-5866	16.4	23
207	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
206	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
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