

Michele Salmain

List of Publications by Year in descending order

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152
papers

4,491
citations

94381

37
h-index

143943

57
g-index

163
all docs

163
docs citations

163
times ranked

4562
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies for Antimicrobial Peptides Immobilization on Surfaces to Prevent Biofilm Growth on Biomedical Devices. <i>Antibiotics</i> , 2022, 11, 13.	1.5	18
2	Biosensing Extracellular Vesicle Subpopulations in Neurodegenerative Disease Conditions. <i>ACS Sensors</i> , 2022, 7, 1657-1665.	4.0	6
3	Î±-Hydroxylactams as Efficient Entries to Diversely Functionalized Ferrociphenols: Synthesis and Antiproliferative Activity Studies. <i>Molecules</i> , 2022, 27, 4549.	1.7	3
4	[[Câ€‰Au(Nâ€‰)] ^{+</sup> Complexes as a New Family of Anticancer Candidates: Synthesis, Characterization and Exploration of the Antiproliferative Properties. <i>Chemistry - A European Journal</i>, 2021, 27, 15773-15785.}	1.7	11
5	Design and Analytical Performances of a Diclofenac Biosensor for Water Resources Monitoring. <i>ACS Sensors</i> , 2021, 6, 3485-3493.	4.0	8
6	Gold Nanorod Coating with Silica Shells Having Controlled Thickness and Oriented Porosity: Tailoring the Shells for Biosensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 9842-9854.	2.4	11
7	Novel luminescent benzopyranothiophene- and BODIPY-derived aroylhydrazonic ligands and their dicopper(II) complexes: syntheses, antiproliferative activity and cellular uptake studies. <i>Journal of Biological Inorganic Chemistry</i> , 2021, 26, 675-688.	1.1	6
8	Current Applications of Artificial Metalloenzymes and Future Developments. , 2021, , 363-411.		1
9	Cytotoxic BODIPY-Appended Half-Sandwich Iridium(III) Complex Forms Protein Adducts and Induces ER Stress. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 16675-16686.	2.9	9
10	Bioorthogonal Conjugation of Transition Organometallic Complexes to Peptides and Proteins: Strategies and Applications. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 21-35.	1.0	17
11	Gold Nanorods for LSPR Biosensing: Synthesis, Coating by Silica, and Bioanalytical Applications. <i>Biosensors</i> , 2020, 10, 146.	2.3	55
12	Insights into the antiproliferative mechanism of (C ^N)-chelated half-sandwich iridium complexes. <i>Dalton Transactions</i> , 2020, 49, 17635-17641.	1.6	5
13	Pincerâ€Based Heterobimetallic Pt(II)/Ru(II), Pt(II)/Ir(III), and Pt(II)/Cu(I) Complexes: Synthesis and Evaluation of Antiproliferative Properties. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3370-3377.	1.0	10
14	Antibody-Gold Nanoparticle Bioconjugates for Biosensors: Synthesis, Characterization and Selected Applications. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112370.	5.3	134
15	A Bisâ€Chelating / Ligand for the Synthesis of Heterobimetallic Platinum(II)/Rhenium(I) Complexes: Tools for the Optimization of a New Class of Platinum(II) Anticancer Agents. <i>Chemistry - A European Journal</i> , 2020, 26, 12846-12861.	1.7	14
16	Inverse electronâ€demand Dielsâ€Alder (iEDDA) bioorthogonal conjugation of halfâ€sandwich transition metalcarbonyl entities to a model protein. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5507.	1.7	2
17	Electrochemical characterization of the artificial metalloenzyme papain-[(I-6-arene)Ru(1,10-phenanthroline)Cl] ⁺ . <i>Journal of Electroanalytical Chemistry</i> , 2020, 859, 113882.	1.9	1
18	Isoxazoleâ€Derived Aroylhydrazones and Their Dinuclear Copper(II) Complexes Show Antiproliferative Activity on Breast Cancer Cells with a Potentially Alternative Mechanism Of Action. <i>ChemBioChem</i> , 2020, 21, 2474-2486.	1.3	10

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19	pH-Sensitive Poly(ethylene glycol)/Poly(ethoxyethyl glycidyl ether) Block Copolymers: Synthesis, Characterization, Encapsulation, and Delivery of a Hydrophobic Drug. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900210.	1.1	6
20	Small Structural Differences between Two Ferrocenyl Diphenols Determine Large Discrepancies of Reactivity and Biological Effects. <i>ChemMedChem</i> , 2019, 14, 1717-1726.	1.6	17
21	Intracellular Localization of an Osmocenyl-Tamoxifen Derivative in Breast Cancer Cells Revealed by Synchrotron Radiation X-ray Fluorescence Nanoimaging. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3461-3465.	7.2	25
22	Spatially Controlled Reduction and Growth of Silver in Hollow Gold Nanoshell Particles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10614-10621.	1.5	9
23	Intracellular Localization of an Osmocenyl-Tamoxifen Derivative in Breast Cancer Cells Revealed by Synchrotron Radiation X-ray Fluorescence Nanoimaging. <i>Angewandte Chemie</i> , 2019, 131, 3499-3503.	1.6	11
24	Silver-Based Plasmonic Nanoparticles for and Their Use in Biosensing. <i>Biosensors</i> , 2019, 9, 78.	2.3	273
25	Direct quantification of surface coverage of antibody in IgG-Gold nanoparticles conjugates. <i>Talanta</i> , 2019, 204, 875-881.	2.9	37
26	Naked Eye Immunosensing of Food Biotoxins Using Gold Nanoparticle-Antibody Bioconjugates. <i>ACS Applied Nano Materials</i> , 2019, 2, 4150-4158.	2.4	29
27	Clickable cyclopentadienyl iron carbonyl complexes for bioorthogonal conjugation of mid-infrared labels to a model protein and PAMAM dendrimer. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4798.	1.7	3
28	Core-Shell Gold/Silver Nanoparticles for Localized Surface Plasmon Resonance-Based Naked-Eye Toxin Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46462-46471.	4.0	79
29	Proteins as Macromolecular Ligands for Metal-Catalysed Asymmetric Transfer Hydrogenation of Ketones in Aqueous Medium. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1383-1393.	1.0	13
30	Metal-based BODIPY derivatives as multimodal tools for life sciences. <i>Coordination Chemistry Reviews</i> , 2018, 358, 108-124.	9.5	103
31	Gold colloid-nanostructured surfaces for enhanced piezoelectric immunosensing of staphylococcal enterotoxin A. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1604-1613.	4.0	27
32	Crystallographic evidence for unexpected selective tyrosine hydroxylations in an aerated achiral Ru-papain conjugate. <i>Metallomics</i> , 2018, 10, 1452-1459.	1.0	1
33	Embedding a Ruthenium-Based Structural Mimic of the [Fe]-Hydrogenase Cofactor into Papain. <i>Inorganic Chemistry</i> , 2018, 57, 12206-12212.	1.9	11
34	Ferrocifens labelled with an infrared rhenium tricarbonyl tag: synthesis, antiproliferative activity, quantification and nano IR mapping in cancer cells. <i>Dalton Transactions</i> , 2018, 47, 9824-9833.	1.6	20
35	Synchrotron Radiation X-Ray Fluorescence Nanoimaging Reveal the Intracellular Localization of Potent Anticancer Drug Osmocenyl-Tamoxifen Derivative. <i>Microscopy and Microanalysis</i> , 2018, 24, 350-351.	0.2	3
36	Supramolecular Anchoring of NCN-Pincer Palladium Complexes into a β -Barrel Protein Host: Molecular Docking and Reactivity Insights. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3622-3634.	1.0	11

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37	Synthesis, Photophysical Properties, and Living Cell Imaging of Theranostic Half-Sandwich Iridium ^{II} 4,4-Difluoro-4-bora-3a,4-diaza-indacene (BODIPY) Dyads. <i>Organometallics</i> , 2017, 36, 3435-3442.	1.1	29
38	Tamoxifen-like metallocifens target the thioredoxin system determining mitochondrial impairment leading to apoptosis in Jurkat cells. <i>Metallomics</i> , 2017, 9, 949-959.	1.0	30
39	Gold nanoparticle-based localized surface plasmon immunosensor for staphylococcal enterotoxin A (SEA) detection. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6227-6234.	1.9	41
40	Inhibition of the mitochondrial thioredoxin system by three metal-organic tamoxifen derivatives determines a redox imbalance inducing apoptosis in Jurkat cells. <i>Free Radical Biology and Medicine</i> , 2017, 108, S15.	1.3	0
41	Gold Nanoparticles Assembly on Silicon and Gold Surfaces: Mechanism, Stability, and Efficiency in Diclofenac Biosensing. <i>Journal of Physical Chemistry C</i> , 2016, 120, 29302-29311.	1.5	29
42	Fischer carbene mediated covalent grafting of a peptide nucleic acid on gold surfaces and IR optical detection of DNA hybridization with a transition metalcarbonyl label. <i>Applied Surface Science</i> , 2016, 385, 47-55.	3.1	4
43	Enzymatic oxidation of ansa-ferrocifen leads to strong and selective thioredoxin reductase inhibition in vitro. <i>Journal of Inorganic Biochemistry</i> , 2016, 165, 146-151.	1.5	19
44	Osmocenyl-tamoxifen derivatives target the thioredoxin system leading to a redox imbalance in Jurkat cells. <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 296-304.	1.5	21
45	Synthesis and characterization of new M(II) carbonyl complexes (M = Fe or Ru) including an η^1 -N-maleimidato ligand. Reactivity studies with biological thiols. <i>Journal of Organometallic Chemistry</i> , 2016, 801, 101-110.	0.8	11
46	Piano-stool η^6 -rhodium(III) complexes of chelating pyridine-based ligands and their papain bioconjugates for the catalysis of transfer hydrogenation of aryl ketones in aqueous medium. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 122, 314-322.	1.8	9
47	Polyoxometalate nanostructured gold surfaces for sensitive biosensing of benzo[a]pyrene. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 770-774.	4.0	13
48	Evidence for Targeting Thioredoxin Reductases with Ferrocenyl Quinone Methides. A Possible Molecular Basis for the Antiproliferative Effect of Hydroxyferrocifens on Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 8849-8859.	2.9	102
49	Artificial metalloenzymes derived from bovine β -lactoglobulin for the asymmetric transfer hydrogenation of an aryl ketone – synthesis, characterization and catalytic activity. <i>Dalton Transactions</i> , 2014, 43, 5482-5489.	1.6	32
50	Fabrication of multifunctional magnetic nanoparticles bearing metallocarbonyl probes and antibodies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 457, 142-151.	2.3	6
51	Preparation of metallocarbonyl-gold-antibody bioconjugates for mid-IR optical immunosensing. <i>Journal of Organometallic Chemistry</i> , 2013, 734, 32-37.	0.8	2
52	Ferrocene-Biotin Conjugates Targeting Cancer Cells: Synthesis, Interaction with Avidin, Cytotoxic Properties and the Crystal Structure of the Complex of Avidin with a Biotin-Linker-Ferrocene Conjugate. <i>Organometallics</i> , 2013, 32, 5774-5783.	1.1	54
53	Aqueous phase transfer hydrogenation of aryl ketones catalysed by achiral ruthenium(II) and rhodium(III) complexes and their papain conjugates. <i>Applied Organometallic Chemistry</i> , 2013, 27, 6-12.	1.7	30
54	Detection and quantification of staphylococcal enterotoxin A in foods with specific and sensitive polyclonal antibodies. <i>Food Control</i> , 2013, 32, 255-261.	2.8	35

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55	Atrazine-Based Self-Assembled Monolayers and Their Interaction with Anti-Atrazine Antibody: Building of an Immunosensor. <i>Langmuir</i> , 2013, 29, 16084-16092.	1.6	12
56	Structural Basis for Enantioselectivity in the Transfer Hydrogenation of a Ketone Catalyzed by an Artificial Metalloenzyme. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3596-3600.	1.0	23
57	Enantioselective transfer hydrogenation of ketone catalysed by artificial metalloenzymes derived from bovine β -lactoglobulin. <i>Chemical Communications</i> , 2012, 48, 11984.	2.2	32
58	A new bioorthogonal cross-linker with alkyne and hydrazide end groups for chemoselective ligation. Application to antibody labelling. <i>Tetrahedron</i> , 2012, 68, 9638-9644.	1.0	7
59	Elaboration of a reusable immunosensor for the detection of staphylococcal enterotoxin A (SEA) in milk with a quartz crystal microbalance. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 148-156.	4.0	45
60	Metallo-carbonyl complexes of bromo- and dibromomaleimide: synthesis and biochemical application. <i>Applied Organometallic Chemistry</i> , 2012, 26, 80-85.	1.7	8
61	IR spectroscopy for biorecognition and molecular sensing. , 2011, , 167-216.		9
62	Biotin as acylating agent in the Friedel-Crafts reaction. Avidin affinity of biotinyl derivatives of ferrocene, ruthenocene and pyrene and fluorescence properties of 1-biotinylpyrene. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 408-417.	1.5	25
63	Chemically engineered papain as artificial formate dehydrogenase for NAD(P)H regeneration. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5720.	1.5	52
64	Synthesis and characterization of metallo-carbonyl functionalized gold nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 385, 241-248.	2.3	8
65	Piezoelectric immunosensor for direct and rapid detection of staphylococcal enterotoxin A (SEA) at the ng level. <i>Biosensors and Bioelectronics</i> , 2011, 29, 140-144.	5.3	63
66	A versatile approach for the immobilization of amines via copper-free click-reaction between azido self-assembled monolayer and alkynyl Fischer carbene complex. Application to the detection of staphylococcal enterotoxin A antibody. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1102-1107.	0.8	10
67	Surface IR immunosensors for label-free detection of benzo[a]pyrene. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1750-1754.	5.3	36
68	Synthesis, Characterization and Luminescence Properties of Dipyridin-2-ylamine Ligands and Their Bis(2,2'-bipyridyl)ruthenium(II) Complexes and Labelling Studies of Papain from <i>Carica papaya</i> . <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 5087-5095.	1.0	8
69	Novel ferrocenyl phosphonate derivatives. Inhibition of serine hydrolases by ferrocene azaphosphonates. <i>Applied Organometallic Chemistry</i> , 2010, 24, 721-726.	1.7	0
70	Bioengineering of stainless steel surface by covalent immobilization of enzymes. Physical characterization and interfacial enzymatic activity. <i>Journal of Colloid and Interface Science</i> , 2010, 349, 13-18.	5.0	44
71	Site-specific conjugation of metal carbonyl dendrimer to antibody and its use as detection reagent in immunoassay. <i>Analytical Biochemistry</i> , 2010, 407, 211-219.	1.1	34
72	(η -6-Arene) ruthenium(ii) complexes and metallo-papain hybrid as Lewis acid catalysts of Diels-Alder reaction in water. <i>Dalton Transactions</i> , 2010, 39, 5605.	1.6	51

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73	$\hat{1}$ -N-succinimidato complexes of iron, molybdenum and tungsten as reversible inhibitors of papain. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1162-1168.	1.5	7
74	The phospho-Michael addition of dimethyl- and diphenylphosphites to the $\hat{1}$ -N-maleimidato ligand: Inhibition of serine hydrolases by half-sandwich metallocarbonyl azaphosphonates. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 908-915.	0.8	12
75	Synthesis of N-functionalized 2,2'-dipyridylamine ligands, complexation to ruthenium (II) and anchoring of complexes to papain from papaya latex. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 937-941.	0.8	14
76	Grafting of Lysozyme and/or Poly(ethylene glycol) to Prevent Biofilm Growth on Stainless Steel Surfaces. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2101-2109.	1.2	115
77	Surface IR applied to rapid and direct immunosensing of environmental pollutants. <i>Talanta</i> , 2009, 78, 165-170.	2.9	30
78	Detection of pathogenic <i>Staphylococcus aureus</i> bacteria by gold based immunosensors. <i>Mikrochimica Acta</i> , 2008, 163, 203-209.	2.5	45
79	Infrared optical immunosensor: Application to the measurement of the herbicide atrazine. <i>Analytical Biochemistry</i> , 2008, 373, 61-70.	1.1	29
80	Functionalized cationic ($\hat{1}$ -6-arene)ruthenium(II) complexes for site-specific and covalent anchoring to papain from papaya latex. Synthesis, X-ray structures and reactivity studies. <i>Tetrahedron Letters</i> , 2008, 49, 4670-4673.	0.7	28
81	In-Depth Investigation of Protein Adsorption on Gold Surfaces: Correlating the Structure and Density to the Efficiency of the Sensing Layer. <i>Journal of Physical Chemistry B</i> , 2008, 112, 6708-6715.	1.2	69
82	Design of a New Multifunctionalized PAMAM Dendrimer with Hydrazide-Terminated Spacer Arm Suitable for Metal-Carbonyl Multilabeling of Aldehyde-Containing Molecules. <i>Macromolecules</i> , 2007, 40, 8568-8575.	2.2	27
83	Cysteine-Specific, Covalent Anchoring of Transition Organometallic Complexes to the Protein Papain from <i>Carica papaya</i> . <i>ChemBioChem</i> , 2007, 8, 224-231.	1.3	41
84	The Use of Glycidol to Introduce Aldehyde Functions Into Proteins – Application to the Fluorescent Labelling of Bovine Serum Albumin and Avidin. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5429-5433.	1.2	4
85	Functionalisation of gold surfaces with thiolate SAMs: Topography/bioactivity relationship – A combined FT-RAIRS, AFM and QCM investigation. <i>Surface Science</i> , 2007, 601, 3850-3855.	0.8	43
86	Anti-rabbit immunoglobulin G detection in complex medium by PM-RAIRS and QCM. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2884-2890.	5.3	40
87	Organometallic Complexes as Tracers in Non-isotopic Immunoassay. , 2006, , 263-302.		16
88	Labeling of Proteins with Organometallic Complexes: Strategies and Applications. , 2006, , 181-213.		8
89	Electrochemical Microbead-Based Immunoassay Using an ($\hat{1}$ -5-Cyclopentadienyl)tricarbonylmanganese Redox Marker Bound to Bovine Serum Albumin. <i>Langmuir</i> , 2006, 22, 506-511.	1.6	19
90	Immobilization of atrazine on gold, a first step towards the elaboration of an indirect immunosensor: characterization by XPS and PM-IRRAS. <i>Surface and Interface Analysis</i> , 2006, 38, 1276-1284.	0.8	8

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91	Building of an immunosensor: How can the composition and structure of the thiol attachment layer affect the immunosensor efficiency?. <i>Biosensors and Bioelectronics</i> , 2006, 22, 440-448.	5.3	102
92	Immobilization of Protein A on SAMs for the elaboration of immunosensors. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 53, 215-224.	2.5	92
93	Self-Assembling of Redox-Active Atrazine Poly(ethylenimine) Conjugates – Interfacial Electrochemical and Spectroscopic Characterization. <i>Electroanalysis</i> , 2006, 18, 684-694.	1.5	3
94	Fonctionnalisation de surfaces d'acier inoxydable par des enzymes en vue d'inhiber l'adhésion de bactéries et la formation de biofilms en eau de mer. <i>Materiaux Et Techniques</i> , 2006, 94, 455-465.	0.3	1
95	Synthesis of hydrophilic Fischer carbene complexes as organometallic marker and PEGylating agent for proteins. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 5581-5590.	0.8	30
96	Labelling of biologically active molecules with a cyclohexadiene tricarbonyl iron unit. <i>Comptes Rendus Chimie</i> , 2005, 8, 85-90.	0.2	6
97	Sulfhydryl-Selective, Covalent Labeling of Biomolecules with Transition Metallocarbonyl Complexes. Synthesis of (1-5-C5H5)M(CO)3(1-1-N-Maleimidato) (M = Mo, W), X-ray Structure, and Reactivity Studies. <i>Bioconjugate Chemistry</i> , 2005, 16, 1218-1224.	1.8	25
98	Covalent Immobilization of Lysozyme on Stainless Steel. Interface Spectroscopic Characterization and Measurement of Enzymatic Activity. <i>Langmuir</i> , 2005, 21, 5957-5965.	1.6	71
99	Specific binding of a biotinylated, metallocarbonyl-labelled dendrimer to immobilized avidin detected by diffuse-reflectance infrared Fourier transform spectroscopy. <i>Applied Organometallic Chemistry</i> , 2004, 18, 105-110.	1.7	6
100	Solution- and Crystal-Phase Covalent Modification of Lysozyme by a Purpose-Designed Organoruthenium Complex. A MALDI-TOF MS Study of its Metal Binding Sites. <i>ChemBioChem</i> , 2004, 5, 99-109.	1.3	20
101	Synthesis of Metal-Carbonyl-Dendrimer-Antibody Immunoconjugates: Towards a New Format for Carbonyl Metallo Immunoassay. <i>ChemBioChem</i> , 2004, 5, 519-525.	1.3	31
102	Site-selective and covalent labelling of the cysteine-containing peptide glutathione with a ferrocenyl group. <i>Tetrahedron Letters</i> , 2004, 45, 7511-7513.	0.7	14
103	Preparation and characterization of poly(amidoamine) dendrimers functionalized with a rhenium carbonyl complex and PEG as new IR probes for carbonyl metallo immunoassay. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 4775-4782.	0.8	62
104	Novel redox label for proteins.. <i>Journal of Organometallic Chemistry</i> , 2003, 668, 17-24.	0.8	34
105	Side-chain selective and covalent labelling of proteins with transition organometallic complexes. <i>Perspectives in biology. Comptes Rendus Chimie</i> , 2003, 6, 249-258.	0.2	42
106	Synthesis of the first chiral PNA monomer labelled with a Fischer-type carbene complex. <i>Journal of Molecular Catalysis A</i> , 2003, 204-205, 165-175.	4.8	16
107	Transition Metal-Carbonyl Labeling of Biotin and Avidin for Use in Solid-Phase Carbonyl Metallo Immunoassay (CMI). <i>Bioconjugate Chemistry</i> , 2002, 13, 693-698.	1.8	35
108	Specific binding of avidin to biotin immobilised on modified gold surfaces. <i>Surface Science</i> , 2002, 502-503, 193-202.	0.8	53

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109	Molecular Recognition of Avidin on Biotin-Functionalized Gold Surfaces Detected by FT-IRRAS and Use of Metal Carbonyl Probes. <i>Journal of Colloid and Interface Science</i> , 2002, 245, 204-207.	5.0	24
110	FT-IR observation of covalent labelling of lysozyme crystals by organometallic complexes of transition metals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002, 58, 941-951.	2.0	13
111	Comparison of different procedures of biotin immobilization on gold for the molecular recognition of avidin: an FT-IRRAS study. <i>Surface and Interface Analysis</i> , 2002, 34, 67-71.	0.8	21
112	The first organo-tungsten pyrylium salt and structural characterization of its pseudobase. <i>Chemical Communications</i> , 2001, , 1504-1505.	2.2	3
113	Mechanism of Reduction of Cymantrene (Tricarbonyl η^5 -Cyclopentadienylmanganese) and Its Methyl Carboximidate Derivative. <i>Collection of Czechoslovak Chemical Communications</i> , 2001, 66, 155-169.	1.0	8
114	Transition metal (η^5 -Fischer-type η^5) carbene complexes as protein labelling reagents. <i>Journal of Organometallic Chemistry</i> , 2001, 617-618, 376-382.	0.8	36
115	Purification of gaseous CO from Fe(CO) ₅ traces formed in steel storage cylinders. <i>Inorganic Chemistry Communication</i> , 2001, 4, 613-616.	1.8	7
116	Labelling and binding of poly-(l-lysine) to functionalised gold surfaces. Combined FT-IRRAS and XPS characterisation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2001, 21, 317-327.	2.5	24
117	Reaction of hen egg white lysozyme with Fischer-type metalcarbene complexes. <i>FEBS Journal</i> , 2001, 268, 5479-5487.	0.2	20
118	Binding of Biotin to Gold Surfaces Functionalized by Self-Assembled Monolayers of Cystamine and Cysteamine: Combined FT-IRRAS and XPS Characterization. <i>Journal of Colloid and Interface Science</i> , 2001, 235, 183-189.	5.0	51
119	New and Efficient Routes to Biomolecules Substituted with Cyclopentadienyltricarbonylrhenium and -Technetium Derivatives. <i>Chemistry - A European Journal</i> , 2001, 7, 2289-2294.	1.7	50
120	4-Benchrotrenyl Pyrylium Salts as Protein Organometallic Labelling Reagents. <i>Tetrahedron</i> , 2000, 56, 257-263.	1.0	25
121	A new application of bioorganometallics: the first simultaneous triple assay by the carbonylmetalloimmunoassay (CMIA) method. <i>Journal of Organometallic Chemistry</i> , 1999, 589, 92-97.	0.8	51
122	Inhibition and photo-deinhibition of glutathione (S)-transferase activity by an organometallic complex: (S)-[3-CpFe(CO) ₂ (η^1 -N-succinimidato)]glutathione. <i>Journal of Organometallic Chemistry</i> , 1999, 589, 98-102.	0.8	11
123	Carbonyl metallo immuno assay: a new application for Fourier transform infrared spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999, 21, 625-633.	1.4	64
124	Use of Heavy-Metal Clusters in the Design of N-Succinimidyl Ester Acylation Reagents for Side-Chain-Specific Labeling of Proteins. <i>Bioconjugate Chemistry</i> , 1999, 10, 607-612.	1.8	20
125	Side-chain selective and covalent labelling of proteins by organometallic complexes of heavy transition metals. Possible application in radio-crystallography of proteins. <i>FEBS Journal</i> , 1998, 258, 192-199.	0.2	17
126	A η^5 -second-generation η^5 -transition metallo-carbonyl reagent for protein labelling based on the (η^5 -cyclopentadienyl)Fe(CO) ₂ (η^1 -N-imidato) system. <i>Tetrahedron Letters</i> , 1998, 39, 4281-4282.	0.7	8

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127	Metallo-carbonyl complexes based on the CpFe(CO) ₂ (η -1-N-imidato) system as protein labelling reagents: reactivity and selectivity studies using bovine serum albumin as a model protein. <i>New Journal of Chemistry</i> , 1998, 22, 813-818.	1.4	21
128	Optimization of Two Fourier Transform Infrared Least-Squares Multivariate Analysis Methods for the Simultaneous Quantitation of Mixtures of Three Metal-Carbonyl Complexes in the Picomole Range. <i>Applied Spectroscopy</i> , 1998, 52, 1383-1390.	1.2	14
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