

Michele Salmain

List of Publications by Year in descending order

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152
papers

4,491
citations

94269

37
h-index

143772

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-[(1-6-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 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 | Metallocarbonyl 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 metallocarbonyl 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 |
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