

Nathalie Fischer-Durand

List of Publications by Citations

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27
papers

396
citations

12
h-index

19
g-index

28
ext. papers

417
ext. citations

3.5
avg, IF

2.82
L-index

#	Paper	IF	Citations
27	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	2.3	55
26	Site-specific conjugation of metal carbonyl dendrimer to antibody and its use as detection reagent in immunoassay. <i>Analytical Biochemistry</i> , 2010 , 407, 211-9	3.1	31
25	Synthesis of metal-carbonyl-dendrimer-antibody immunoconjugates: towards a new format for carbonyl metallo immunoassay. <i>ChemBioChem</i> , 2004 , 5, 519-25	3.8	30
24	Transition metal-carbonyl labeling of biotin and avidin for use in solid-phase carbonyl metallo immunoassay (CMIA). <i>Bioconjugate Chemistry</i> , 2002 , 13, 693-8	6.3	30
23	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	5.5	27
22	Infrared optical immunosensor: application to the measurement of the herbicide atrazine. <i>Analytical Biochemistry</i> , 2008 , 373, 61-70	3.1	24
21	Evaluation of the carbonyl metallo immunoassay (CMIA) for the determination of traces of the herbicide atrazine. <i>Journal of Organometallic Chemistry</i> , 2003 , 668, 59-66	2.3	23
20	Development of a Direct Competitive Enzyme-Linked Immunosorbent Assay for the Detection of Fluoroquinolone Residues in Shrimp. <i>Food Analytical Methods</i> , 2008 , 1, 28-35	3.4	20
19	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, 204-7	9.3	20
18	Stereoselective synthesis and inhibitor properties towards human leucocyte elastase of chiral β -peptidyl trifluoromethyl alcohols.. <i>Tetrahedron: Asymmetry</i> , 1994 , 5, 1099-1110		19
17	Electrochemical microbead-based immunoassay using an (eta5-cyclopentadienyl)tricarbonylmanganese redox marker bound to bovine serum albumin. <i>Langmuir</i> , 2006 , 22, 506-11	4	18
16	Development and Validation of an Indirect Enzyme Immunoassay for the Detection of the Herbicide Isoproturon in Water Matrices. <i>International Journal of Environmental Analytical Chemistry</i> , 1998 , 69, 13-30	1.8	16
15	First carbonyl metallo immunoassay in the environmental area: application to the herbicide chlortoluron. <i>Applied Organometallic Chemistry</i> , 2002 , 16, 669-674	3.1	11
14	A New and Efficient Synthesis of β -Bromoalkyl Perfluoroalkyl Ketones via Opening of Epoxides. <i>Synthesis</i> , 1993 , 1993, 1083-1085	2.9	11
13	Atrazine-based self-assembled monolayers and their interaction with anti-atrazine antibody: building of an immunosensor. <i>Langmuir</i> , 2013 , 29, 16084-92	4	10
12	Bioorthogonal Conjugation of Transition Organometallic Complexes to Peptides and Proteins: Strategies and Applications. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 21-35	2.3	10
11	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	1.5	8

10	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	2.4	6
9	Synthesis of 4-Benzidiny l Butyric Acid: A Key Intermediate for Antibodies Production Against Benzidin. <i>Synthetic Communications</i> , 1998 , 28, 963-970	1.7	6
8	Fabrication of multifunctional magnetic nanoparticles bearing metallocarbonyl probes and antibodies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 457, 142-151	5.1	5
7	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	3.1	3
6	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	3.2	3
5	Self-Assembling of Redox-Active Atrazine Poly(ethylenimine) Conjugates [Interfacial Electrochemical and Spectroscopic Characterization. <i>Electroanalysis</i> , 2006 , 18, 684-694	3	3
4	Inverse electron-demand Diels-Alder (IEDDA) bioorthogonal conjugation of half-sandwich transition metallocarbonyl entities to a model protein. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5507	3.1	2
3	Synthesis of allylic trifluoromethyl alcohols from 1-trifluoromethyl-epoxy ethers. <i>Journal of Fluorine Chemistry</i> , 1996 , 80, 13-16	2.1	2
2	A Solvent-free, Catalyst-free Formal [3+3] Cycloaddition Dearomatization Strategy: Towards New Fluorophores for Biomolecules Labelling. <i>ChemSusChem</i> , 2021 , 14, 1821-1824	8.3	2
1	Development of a Novel Dry Process to Functionalize Membranes for the Covalent Attachment of Antibodies Used in Immunochemical [Based Environmental Strip Tests. <i>International Journal of Environmental Analytical Chemistry</i> , 1998 , 71, 165-180	1.8	1