

# Nathalie Fischer-Durand

## List of Publications by Year in descending order

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27  
papers

442  
citations

686830

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713013

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28  
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28  
docs citations

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times ranked

572  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Transition Metal $\pi$ -Carbonyl Labeling of Biotin and Avidin for Use in Solid-Phase Carbonyl Metallo Immunoassay (CMIA). <i>Bioconjugate Chemistry</i> , 2002, 13, 693-698.	1.8	35
3	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
4	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
5	Infrared optical immunosensor: Application to the measurement of the herbicide atrazine. <i>Analytical Biochemistry</i> , 2008, 373, 61-70.	1.1	29
6	Design of a New Multifunctionalized PAMAM Dendrimer with Hydrazide-Terminated Spacer Arm Suitable for Metal $\pi$ -Carbonyl Multilabeling of Aldehyde-Containing Molecules. <i>Macromolecules</i> , 2007, 40, 8568-8575.	2.2	27
7	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
8	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.	0.8	23
9	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.	1.3	23
10	Stereoselective synthesis and inhibitor properties towards human leucocyte elastase of chiral $\beta$ -peptidyl trifluoromethyl alcohols. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 1099-1110.	1.8	21
11	Electrochemical Microbead-Based Immunoassay Using an ( $\eta$ -5-Cyclopentadienyl)tricarbonylmanganese Redox Marker Bound to Bovine Serum Albumin. <i>Langmuir</i> , 2006, 22, 506-511.	1.6	19
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.	1.0	17
13	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
14	A New and Efficient Synthesis of $\beta$ -Bromoalkyl Perfluoroalkyl Ketones via Opening of Epoxides. <i>Synthesis</i> , 1993, 1993, 1083-1085.	1.2	12
15	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
16	First carbonyl metallo immunoassay in the environmental area: application to the herbicide chlortoluron. <i>Applied Organometallic Chemistry</i> , 2002, 16, 669-674.	1.7	11
17	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
18	Synthesis of 4-Benzidinyloxy Butyric Acid: A Key Intermediate for Antibodies Production Against Benzidin. <i>Synthetic Communications</i> , 1998, 28, 963-970.	1.1	7

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19	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
20	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
21	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
22	Synthesis of allylic trifluoromethyl alcohols from 1-trifluoromethyl-epoxy ethers. <i>Journal of Fluorine Chemistry</i> , 1996, 80, 13-16.	0.9	3
23	Self-Assembling of Redox-Active Atrazine Poly(ethylenimine) Conjugates – Interfacial Electrochemical and Spectroscopic Characterization. <i>Electroanalysis</i> , 2006, 18, 684-694.	1.5	3
24	–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
25	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.	1.7	2
26	A Solvent-free, Catalyst-free Formal [3+3] Cycloaddition Dearomatization Strategy: Towards New Fluorophores for Biomolecules Labelling. <i>ChemSusChem</i> , 2021, 14, 1821-1824.	3.6	2
27	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