

Andreas Danopoulos



Professor

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Google scholar:

<https://scholar.google.com/citations?user=OK854W8AAAAJ&hl=en>

citations 6850, h-index 43

SCOPUS:

<https://www.scopus.com/authid/detail.uri?authorId=6701845244>

citations 7296, h-index 44

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EDUCATION

1981 Bachelor in Chemistry NKUA ...

1986 PhD/Department of Chemistry NKUA/Title: Oxidation of Olefins with Supported Pd Complexes

RESEARCH FIELDS

Organometallic chemistry
Coordination chemistry of the transition metals
Homogeneous catalysis
Activation of small molecules
Photophysical and magnetic properties of transition metal complexes
Design and uses of 'pincer' type ligands
Design and use of ligands based on N-heterocyclic carbenes

EDUCATIONAL EXPERIENCE

UNDERGRADUATE COURSES

- Inorganic Chemistry III/Core course/Chemistry department
- Organometallic Chemistry/Optional course/Chemistry department
- Industrial Inorganic Chemistry/ Optional course/Chemistry department

GRADUATE COURSES

- Inorganic Laboratory/ Chemistry department/ Inorganic Chemistry and its Industrial Applications/Inorganic Synthesis and analysis
- Inorganic Laboratory/ Chemistry department/ Inorganic Chemistry and its Industrial Applications/Industrial Inorganic Chemistry and Entrepreneurship

AWARDS / SCHOLARSHIPS

- Gutenberg Chair of Excellence 2010-2011, Université de Strasbourg, France
- Fellow of the Institute of Advanced Studies, Université de Strasbourg, France
- Member of the European Academy of Sciences, EURASC, Brussels

REVIEWER OF SCIENTIFIC JOURNALS

Angewandte Chemie, Journal of the American Chemical Society, Chemical Science, Organometallics, Inorganic Chemistry, Chemical Communications, Dalton Transactions etc.

EDITOR OF BOOKS AND SPECIAL VOLUMES

Inorganic Experiments 3rd ed D. Woolins Ed. Wiley-VCH 2010

N-Heterocyclic Carbene Complexes in Additions to Multiple Bonds in 'N-Heterocyclic Carbenes in Transition Metal Catalysis and Organocatalysis' Springer Verlag 2010

N-Heterocyclic Carbene Complexes of Cobalt Comprehensive Organometallic Chemistry IV, Elsevier 2021, Kidlington, UK, <https://doi.org/10.1016/B978-0-12-820206-7.00109-8>

N-Heterocyclic Carbene Complexes of Nickel in Comprehensive Organometallic Chemistry IV, Elsevier 2022, Kidlington, UK, <https://doi.org/10.1016/B978-0-12-820206-7.00118-9>

ADDITIONAL INFORMATION

- Presentations at conferences: >50.
- Supervision of doctoral theses: 15
- Supervision of graduate students: >10
- Supervision of undergraduate students:
- PI in Research Programs 12
- Reviewer in Research Councils: ANR, Norway Research Council, Hong Kong Research Council, Petroleum Research Fund (ACS), NSF, ERC

SELECTED PUBLICATIONS (link OF PUBLICATIONS)

1. P. Braunstein and A. A. Danopoulos 'Transition Metal Chain Complexes Supported by Soft Donor Assembling Ligands' *Chem. Rev.* **2021**, *121*, 13, 7346–7397
<https://doi.org/10.1021/acs.chemrev.0c01197>
2. A. Danopoulos, T. Simler, and P. Braunstein, 'N-Heterocyclic Carbene Complexes of Copper, Nickel, and Cobalt', *Chem. Rev.* **2019**, *119*, 3730–3961,
<https://doi.org/10.1021/acs.chemrev.8b00505>
3. A. A. Danopoulos, A. Massard, G. Frison and P. Braunstein, 'Iron and Cobalt Metallotropism in Remote-Substituted NHC Ligands: Metalation to Abnormal NHC Complexes or NHC Ring Opening' *Angew. Chem. Int. Ed.* **2018**, *57*, 14550–14554,
<https://doi.org/10.1002/anie.201808008>
4. P. Ai, K. Y. Monakhov, J. van Leusen, P. Kogerler, C. Gourlaouen, M. Tromp, R. Welter, A. A. Danopoulos, and P. Braunstein, Linear Cu₂ I Pd₀, CuI Pd₂ O, and Ag₂ I Pd₀ Metal Chains Supported by Rigid N,N'-Diphosphanyl N-Heterocyclic Carbene Ligands and Metallophilic Interactions, *Chem. Eur. J.* **2018**, *24*, 8787–8796, <https://doi.org/10.1002/chem.201801170>
5. T. Simler, S. Choua, A. A. Danopoulos and P. Braunstein 'Reactivity of a dearomatized pincer Coll Br complex with PNC NHC donors: alkylation and Si–H bond activation via metal–ligand cooperation' *Dalton Trans.*, **2018**, *47*, 7888–7895, <https://doi.org/10.1039/c8dt01279b>
6. K. Y. Monakhov, J. van Leusen, P. Kogerler, E.-L. Zins, M. E. Alikhani, M. Tromp, A. A. Danopoulos and P. Braunstein, Linear, Trinuclear Cobalt Complexes with o-Phenylene-bisSilylamido Ligands, *Chem. Eur. J.* **2017**, *23*, 6504–6508, <https://doi.org/>

10.1002/chem.201700496

7. A. A. Danopoulos, P. Braunstein, K. Y. Monakhov, J. van Leusen, P. Kögerler, M. Clémancey, e J.-M. Latour, A. Benayad, M. Tromp, E. Rezabal, G. Frison, 'Heteroleptic, two-coordinate [M(NHC){N(SiMe₃)₂}] (M = Co, Fe) complexes: synthesis, reactivity and magnetism rationalized by an unexpected metal oxidation state' *Dalton Trans.*, **2017**, 46, 1163–1171, <https://doi.org/10.1039/c6dt03565e>