1. Record Nr. UNINA9910557494003321

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Titolo	Nitro Compounds and Their Derivatives in Organic Synthesis
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2020
Descrizione fisica	1 online resource (120 p.)
Soggetti	Research & information: general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Nitro chemistry plays an important role in organic synthesis to construct new frameworks. This is due to the diverse properties of the nitro group. The strong electron-withdrawing ability of the nitro group reduces the electron density of the scaffold, facilitating reactions with nucleophiles or electron transfer. In addition, the -hydrogen of the nitro group is highly acidic, giving a stable anion, which facilitates reactions with both electrophilic and nucleophilic reagents. In addition, the nitro group also serves as a good leaving group, which facilitates transformation to a wide variety of functional groups. Despite the substantial contributions of many researchers, nitro chemistry is still an exciting and challenging research area. This book brings together recent original research and review articles contributed by an international team of leading experts and pioneers in organic synthesis using nitro groups. It is sure to provide useful information and promising insights for researchers.

2. Record Nr. UNINA9910303449503321

Titolo	Algebraic and Analytic Microlocal Analysis : AAMA, Evanston, Illinois, USA, 2012 and 2013 / / edited by Michael Hitrik, Dmitry Tamarkin, Boris Tsygan, Steve Zelditch
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-030-01588-2
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (660 pages)
Collana	Springer Proceedings in Mathematics & Statistics, , 2194-1017 ; ; 269
Disciplina	515
Soggetti	Differential equations Fourier analysis Algebraic geometry Differential Equations Fourier Analysis Algebraic Geometry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I: Algebraic Microlocal Analysis -- Losev, I.: Procesi Bundles and Symplectic Reection Algebras -- Schapira, P.: Three Lectures on Algebraic Microlocal Analysis -- Tamarkin, D.: Microlocal Condition for Non-displaceability -- Tsygan, B.: A Microlocal Category Associated to a Symplectic Manifold -- Part II: Analytic Microlocal Analysis -- Berman, R.: Determinantal Point Processes and Fermions on Polarized Complex Manifolds: Bulk Universality -- Berndtsson, B.: Probability Measures Associated to Geodesics in the Space of Kahlermetrics -- Canzani, Y. and Toth, J: Intersection Bounds for Nodal Sets of Laplace Eigenfunctions -- Christ, M.: Upper Bounds for Bergman Kernels Associated to Positive Line Bundles with Smooth Hermitian Metrics -- Christ, M.: O-diagonal Decay of Bergman Kernels: On a Question of Zelditch -- Hitrik, M. and Sjostrand, J: Two Mini-courses on Analytic Microlocal Analysis -- Lebeau, G.: A Proof of a Result of L. Boutet de Monvel -- Martinez, A., Nakamura, S. and Sordoni, V: Propagation of Analytic Singularities for Short and Long Range Perturbations of the

	Free Schrodinger Equation -- Zelditch, S. and Zhou, P: Pointwise Weyl Law for Partial Bergman Kernels -- Zworski, M.: Scattering Resonances as Viscosity Limits.
Sommario/riassunto	This book presents contributions from two workshops in algebraic and analytic microlocal analysis that took place in 2012 and 2013 at Northwestern University. Featured papers expand on mini-courses and talks ranging from foundational material to advanced research-level papers, and new applications in symplectic geometry, mathematical physics, partial differential equations, and complex analysis are discussed in detail. Topics include Procesi bundles and symplectic reflection algebras, microlocal condition for non-displaceability, polarized complex manifolds, nodal sets of Laplace eigenfunctions, geodesics in the space of Khler metrics, and partial Bergman kernels. This volume is a valuable resource for graduate students and researchers in mathematics interested in understanding microlocal analysis and learning about recent research in the area.