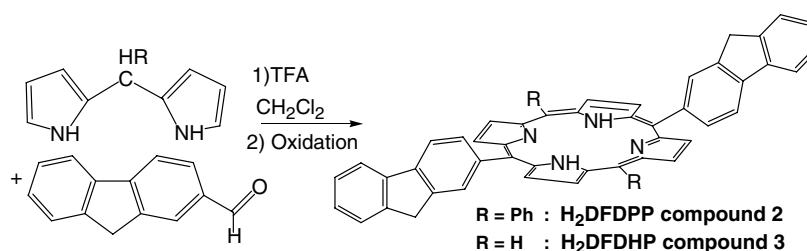


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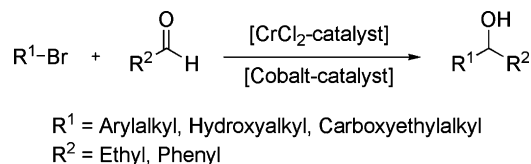
Christine O. Paul-Roth,* J. A. Gareth Williams,* Julien Letessier and G. Simonneaux



Takai–Utimoto reactions of oxoalkylhalides catalytic in chromium and cobalt

pp 4323–4325

Ludger A. Wessjohann* and Henri S. Schrekker*



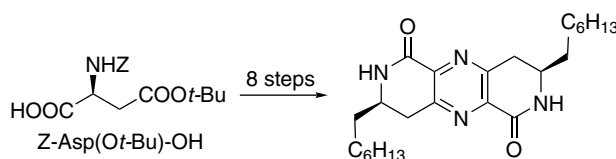
Alkylchromium reactions: The reaction of functionalized alkylhalides under mild cobalt and chromium catalysis opens new perspectives for highly chemoselective C–C-couplings with complex substrates, for example, in total synthesis.



Towards a biomimetic synthesis of barrenzine A

pp 4327–4330

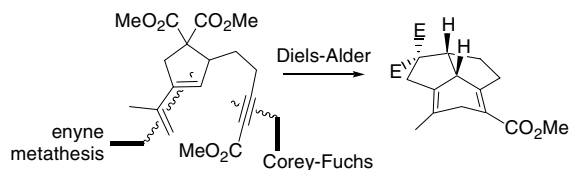
Frédéric Buron, Alain Turck, Nelly Plé, Laurent Bischoff* and Francis Marsais



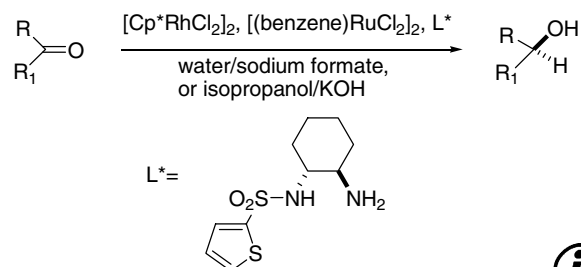
An analogue of barrenzine A was prepared in eight steps with a 29% overall yield, from protected aspartic acid.

An enyne metathesis/Diels–Alder reaction sequence towards the synthesis of cup-shaped 5/5/6-tricyclic architectures pp 4331–4333

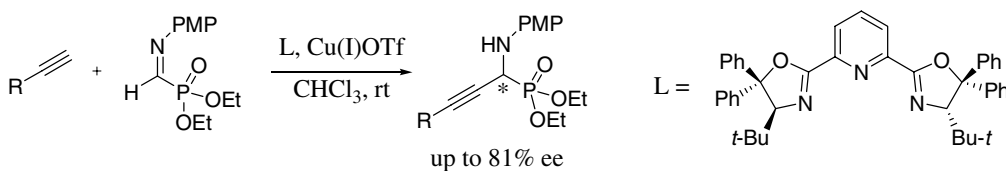
Laurent Evanno, Alexandre Deville, Bernard Bodo and Bastien Nay*


Water-soluble chiral monosulfonamide-cyclohexane-1,2-diamine-RhCp* complex and its application in the asymmetric transfer hydrogenation (ATH) of ketones pp 4335–4338

Norma A. Cortez, Gerardo Aguirre, Miguel Parra-Hake and Ratnasamy Somanathan*

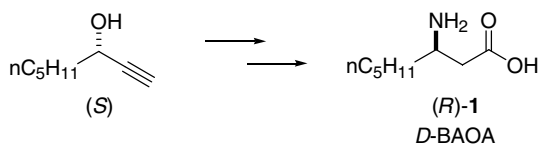
 Monosulfonamide ligands with heteroatom/heterocyclic systems were derived from (1*R*,2*R*)-cyclohexane-1,2-diamine and used in the ATH of acetophenone.

Enantioselective synthesis of α -aminopropargylphosphonates pp 4339–4342

Rajasekhar Dodda and Cong-Gui Zhao*


 Enantioenriched α -aminopropargylphosphonates have been synthesized for the first time by using a Cu(I)-pybox complex.

A simple synthesis of (*R*)-3-aminooctanoic acid (*D*-BAOA) from (*S*)-1-octyn-3-ol pp 4343–4345

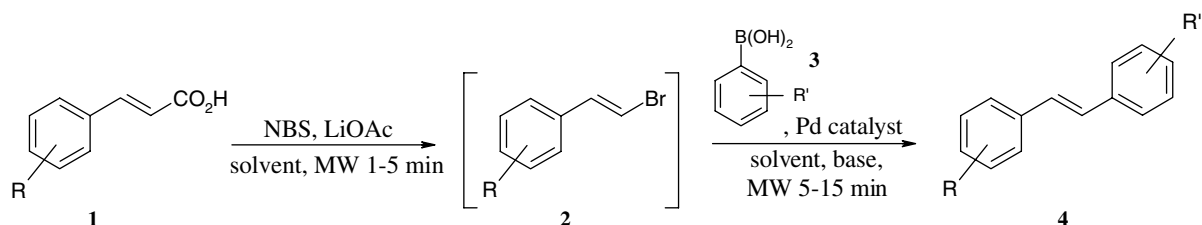
Marcello Tiecco,* Lorenzo Testaferri, Andrea Temperini,* Raffaella Terlizzi, Luana Bagnoli, Francesca Marini and Claudio Santi



Original one-pot microwave-promoted Hunsdiecker–Suzuki strategy: straightforward access to *trans*-1,2-diarylethenes from cinnamic acids

pp 4347–4351

Marc-Antoine Bazin, Laïla El Kihel, Jean-Charles Lancelot and Sylvain Rault*

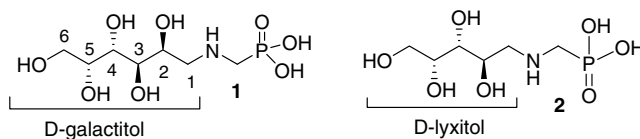


This Letter describes an efficient one-pot synthesis of *trans*-1,2-diarylethenes from cinnamic acids using microwave irradiation.

Synthesis of acyclic galactitol- and lyxitol-aminophosphonates as inhibitors of UDP-galactopyranose mutase

pp 4353–4356

Weidong Pan, Christophe Ansiaux and Stéphane P. Vincent*

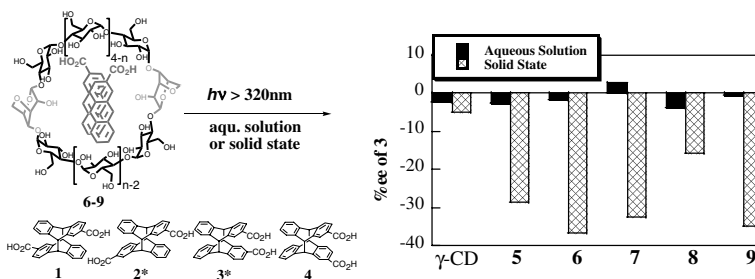


Acyclic alditol-aminophosphonates **1** and **2** were designed as mimics of high energy intermediates of the UGM catalyzed isomerization. Interestingly, the D-lyxitol-aminophosphonate **2** displayed better inhibition properties than **1**.

A remarkable stereoselectivity switching upon solid-state versus solution-phase enantiodifferentiating photocyclodimerization of 2-anthracenecarboxylic acid mediated by native and 3,6-anhydro- γ -cyclodextrins

pp 4357–4360

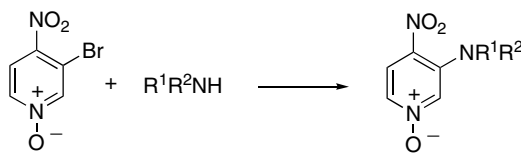
Cheng Yang, Masaki Nishijima, Asao Nakamura, Tadashi Mori, Takehiko Wada and Yoshihisa Inoue*



Nucleophilic β -amination of pyridine nuclei

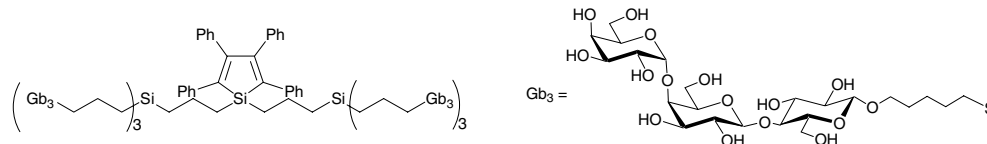
pp 4361–4363

Nagatoshi Nishiwaki,* Yutaka Nishida, Eiko Tominaga and Masahiro Ariga*

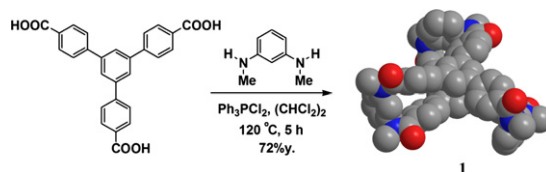


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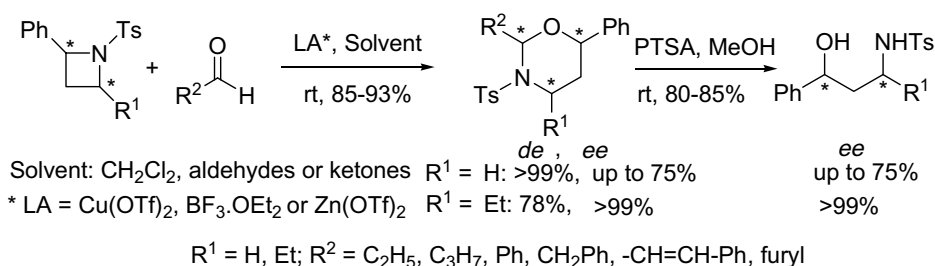
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**Triple helical structure constructed by covalent bondings: effective synthesis by a pre-organized partial structure and helicity induced by aromatic–aromatic interactions** pp 4369–4372

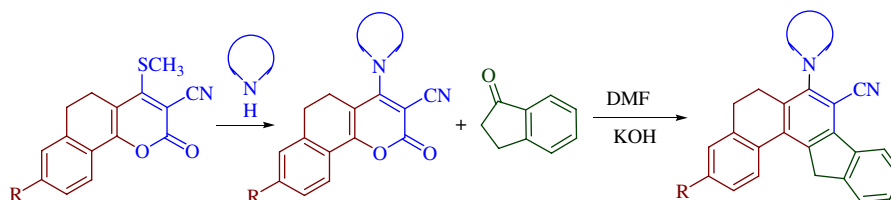
Masahide Tominaga, Hyuma Masu, Kosuke Katagiri and Isao Azumaya*

**Lewis acid mediated S_N2-type nucleophilic ring opening followed by [4+2] cycloaddition of N-tosylazetidines with aldehydes and ketones: synthesis of chiral 1,3-oxazinanes and 1,3-amino alcohols** pp 4373–4377

Manas K. Ghorai,* Kalpataru Das and Amit Kumar

**2-Oxobenzo[*h*]chromene: a novel entry for the concise and efficient synthesis of indeno[1,2-*c*]phenanthrenes** pp 4379–4382

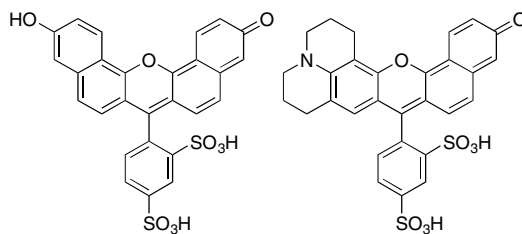
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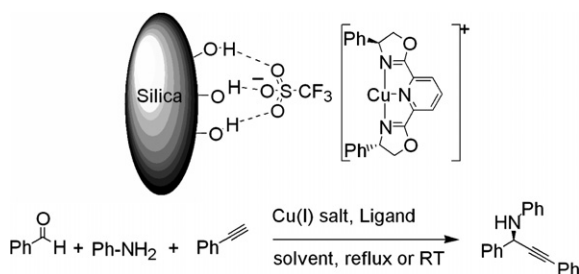
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Electrostatic immobilisation of copper(I) and copper(II) bis(oxazoliny)pyridine catalysts on silica: application to the synthesis of propargylamines via direct addition of terminal alkynes to imines

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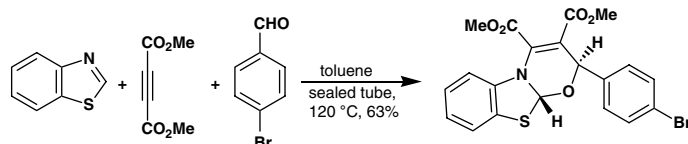
Chiara McDonagh, Peter O’Conghaile, Robertus J. M. Klein Gebbink and Patrick O’Leary*



An efficient multicomponent protocol for the stereoselective synthesis of oxazinobenzothiazole derivatives

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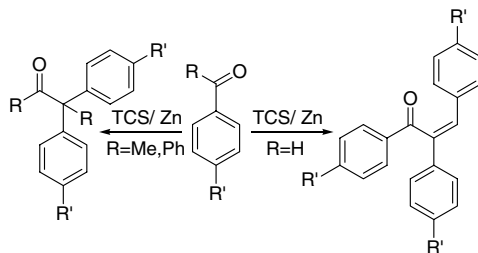
Abhilash N. Pillai, B. Rema Devi, Eringathodi Suresh and Vijay Nair*



SiCl₄–Zn induced reductive coupling of carbonyl compounds: novel and efficient routes for one-pot syntheses of 1,2,3-triaryl-2-propen-1-ones and pinacolones at room temperature

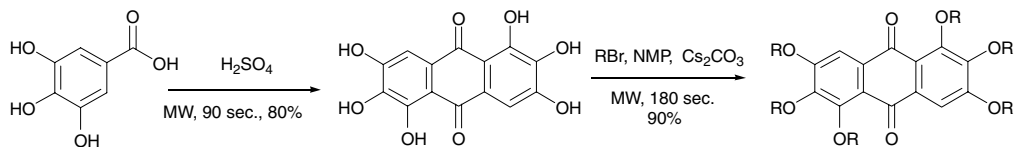
pp 4395–4398

Tarek A. Salama,* Saad S. Elmorsy and Abdel-Galel M. Khalil



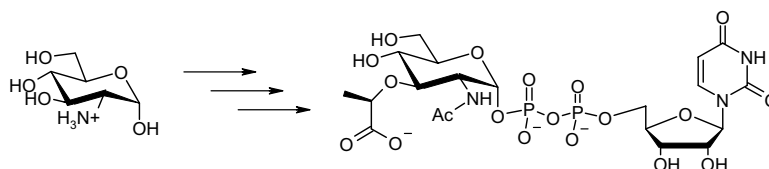
Reductive trimerization of aromatic aldehydes to 1,2,3-triaryl-2-propen-1-ones as well as tandem reductive coupling-rearrangements of aryl ketones to pinacolone analogues were efficiently achieved using SiCl₄–Zn (TCS/Zn) at room temperature.

Microwave-assisted synthesis of rufigallol and its novel room-temperature liquid crystalline derivatives pp 4399–4402
 Hari Krishna Bisoyi and Sandeep Kumar*

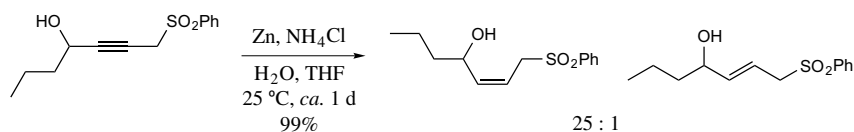


Rufigallol and its novel room-temperature discotic liquid crystalline derivatives have been prepared in high yield using microwave heating.

An improved total synthesis of UDP-*N*-acetyl-muramic acid pp 4403–4405
 Andrej Babič* and Slavko Pečar



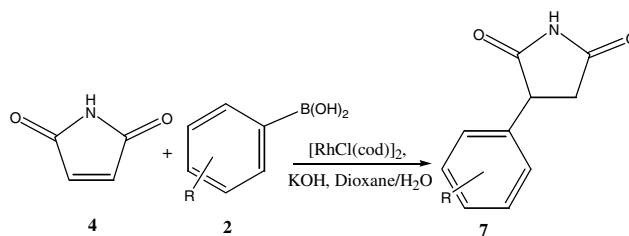
Reduction of propargylic sulfones to (*Z*)-allylic sulfones using zinc and ammonium chloride pp 4407–4411
 Helen M. Sheldrake and Timothy W. Wallace*



Microwave-enhanced rhodium-catalyzed conjugate-addition of aryl boronic acids to unprotected maleimides pp 4413–4418

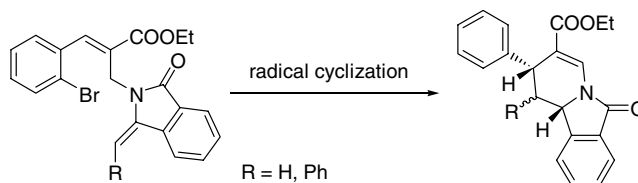
Pravin S. Iyer,* Meaghan M. O'Malley and Matthew C. Lucas

Various boronic acids were treated with a rhodium(I) catalyst enabling their 1,4-conjugate addition to unprotected maleimide. The scope of the reaction was explored to include both electron-rich and electron poor boronic acids. These reactions were also performed in the microwave resulting in reduced reaction times and improved efficiencies. Additionally, substrates that were recalcitrant under conventional conditions were successfully reacted under microwave conditions. The reaction worked satisfactorily with boronic acids having a free OH or NH group.



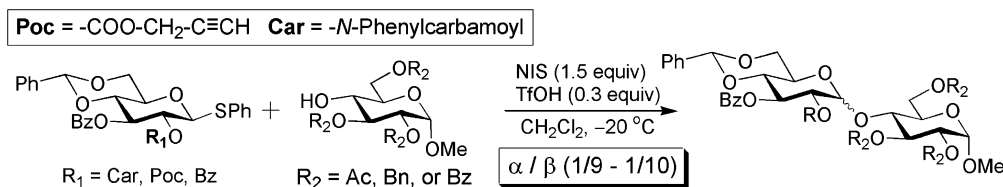
Unusual synthesis of dihydropyrido[2,1-*a*]isoindolone derivatives by radical cyclization of enamides of Baylis–Hillman adducts pp 4419–4422

Saravanan Gowrisankar, Seong Jin Kim, Ji-Eun Lee and Jae Nyoung Kim*



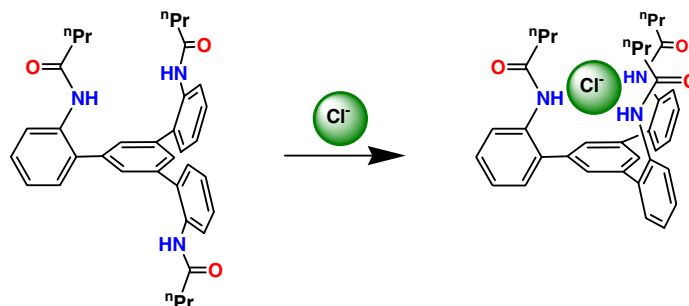
The use of 2-*O*-propargyloxycarbonyl protecting group in the selective formation of 1,2-*trans*-glycosidic linkage pp 4423–4425

Ken-ichi Sato,* Koudai Sakai, Masaru Kojima and Shoji Akai



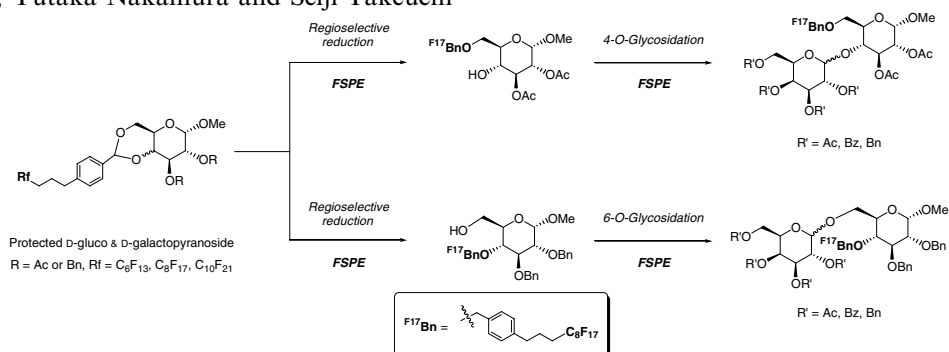
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Piotr Piątek



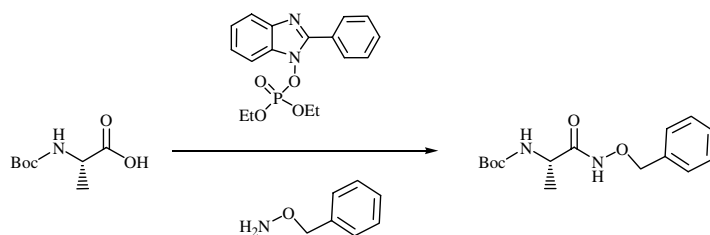
A practical fluororous benzylidene acetal protecting group for a quick synthesis of disaccharides pp 4431–4436

Masaru Kojima, Yutaka Nakamura and Seiji Takeuchi*

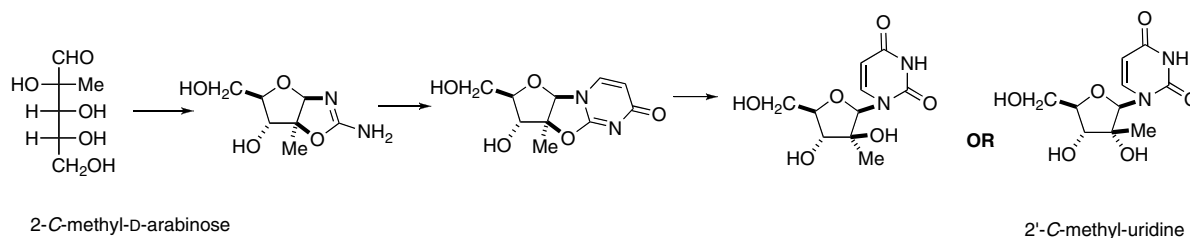


Design, synthesis and utilization of a novel coupling reagent for the preparation of *O*-alkyl hydroxamic acids pp 4437–4440

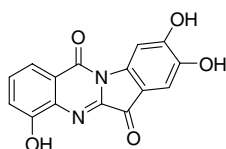
Nagnath D. Kokare, Rahul R. Nagawade, Vipul P. Rane and Devanand B. Shinde*


Anomeric stereospecific synthesis of 2'-*C*-methyl β -nucleosides; the Holy reaction of cyanamide with 2-*C*-methyl-D-arabinose pp 4441–4444

Sarah F. Jenkinson, Nigel A. Jones, Adel Moussa, Alistair J. Stewart, Thomas Heinz and George W. J. Fleet*


Ophiuroidine, the first indolo[2,1-*b*]quinazoline alkaloid from the Caribbean brittle star *Ophiocoma riisei* pp 4445–4447

Natalia K. Utkina* and Vladimir A. Denisenko



A new indoloquinazoline alkaloid, ophiuroidine, was isolated from the Caribbean ophiuroid *Ophiocoma riisei*. Its structure was determined as 4,8,9-trihydroxyindolo[2,1-*b*]quinazoline-6,12-dione from spectroscopic data. Ophiuroidine is the first example of an indoloquinazoline alkaloid found in a marine invertebrate.

*Corresponding author

+ Supplementary data available via ScienceDirect

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