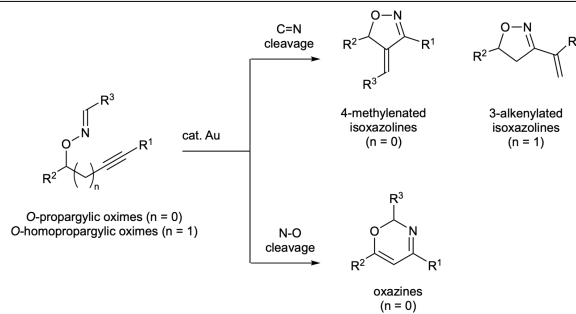


## ■ REVIEW

- 1535 **Gold-Catalyzed Skeletal Rearrangement Reactions of *O*-Propargylic and *O*-Homopropargylic Oximes**  
 Itaru Nakamura\* and Masahiro Terada



Gold Catalyst    Rearrangement    Isoxazoline    Oxazine    Divergent Synthesis

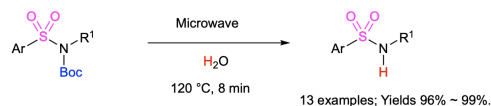
## ■ COMMUNICATIONS

- 1559 **Facile and Efficient *N*-Boc Deprotection of Amide and Sulfonamide under Microwave Irradiation in Water**  
 Zhi-you Huang,\* Wen-sheng Li, Jia Xu, Bing-rong Xiang, Min-xin Li, Li-jun Chen, and Ye-she Wang

a) Deprotection of *N*-Boc amide

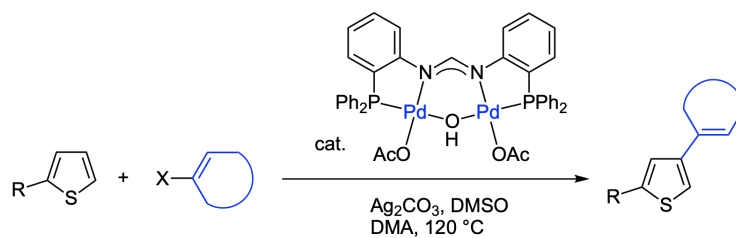


b) Deprotection of *N*-Boc sulfonamide



*N*-Boc Deprotection    Microwave Irradiation    Water    Amide    Sulfonamide

- 1565 **Direct  $\beta$ -Alkenylation of Thiophenes with Alkenyl Halides Catalyzed by a Dinuclear Palladium Complex**  
 Nozomi Asahara and Naofumi Tsukada\*

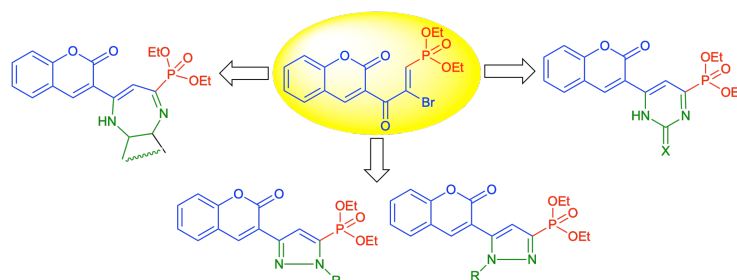


Palladium    Thiophene    C-H Activation    Iodoalkene

## ■ PAPERS

**1573 Regioselective Synthesis of Some Novel Phosphonopyrazole, Phosphonopyrimidine and Phosphonodiazepine Compounds Containing Coumarin Ring**

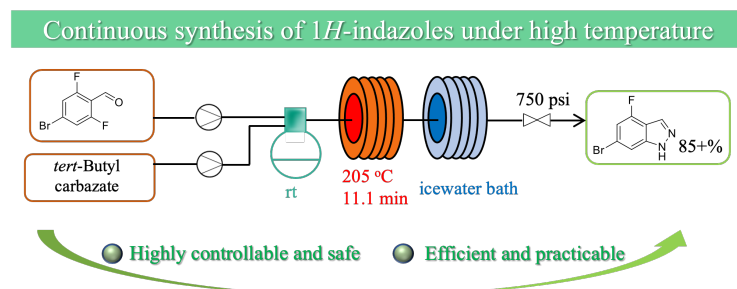
Tarik E. Ali\* and Mohammed A. Assiri



Coumarin    Phosphonate    Pyrazole    Pyrimidine    Diazepine

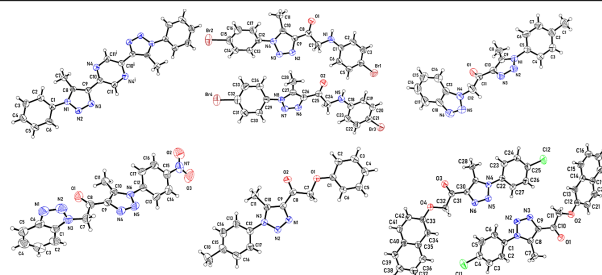
**1584 The Continuous-Flow Synthesis of 1*H*-Indazoles via Reaction of *o*-Fluorobenzaldehydes with *tert*-Butyl Carbazate under High Temperature**

Wenjie Ye, Kai Zhu, Yiping Huang, Chuansong Duanmu, Yanxing Li, Jin Li, Weichuan Xu, and Feng Zhou\*


 Continuous-Flow    Process Intensification    1*H*-Indazole    Optimization    *tert*-Butyl Carbazate

**1601 Reactivity of 4-Bromoacetyl-1,2,3-triazoles towards Amines and Phenols: Synthesis and Antimicrobial Activity of Novel Heterocycles**

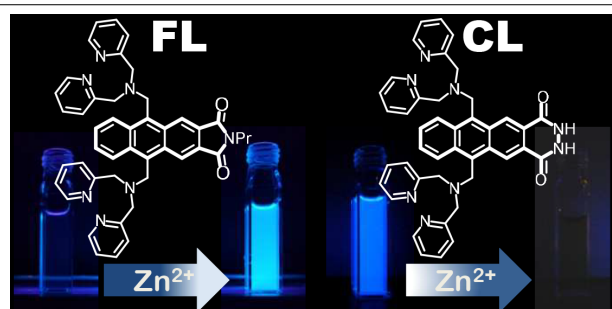
Bakr F. Abdel-Wahab, Hanan A. Mohamed, Abdelbasset A. Farahat, Benson M. Kariuki, and Gamal A. El-Hiti\*



1,2,3-Triazole    Aminoketone    Synthesis    Heterocycle    X-Ray Crystallography

**1614 Synthesis of 2,3-Anthracenedicarboxylic-Acid-Derived Fluorophore and Chemilumiphore Incorporating Dipicolylaminomethyl Receptors, and Their Luminescence Responses to Metal Ions**

Naomi Yamazaki, Ayako Matsui, Kyosuke Satake, and Hideki Okamoto\*

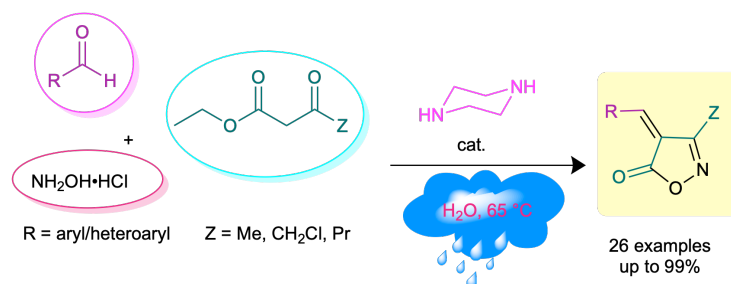


Chemiluminescence    Fluorescence    Cyclic Hydrazide    Imide    PET Sensor

## ■ SHORT PAPERS

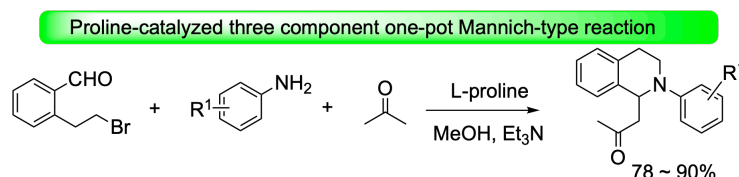
**1625 Efficient and Aqueous Synthesis of 3,4-Disubstituted Isoxazol-5(4*H*)-one Derivatives Using Piperazine under Green Conditions**

Ziba Daroughezadeh and Hamzeh Kiyani\*


 Isoxazol-5(4*H*)-one    Piperazine    Green Synthesis    1,3-Dicarbonyl    Organocatalyst

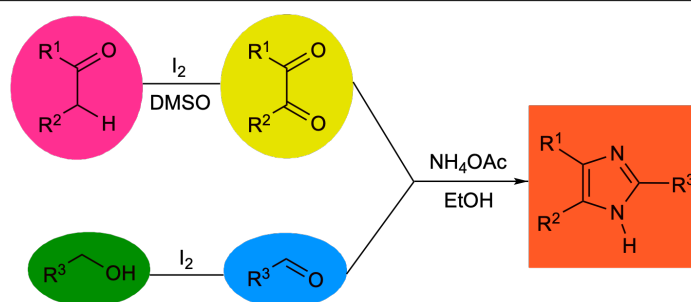
**1641 An Efficient Method for the Synthesis of *N*-Aryl Substituted C1-Functionalized 1,2,3,4-Tetrahydroisoquinolines**

Hairong Luo,\* Fen Tian, Yi He, Xurong Liu, Jing Li, and Meihang Chen\*


 Cyclic Iminium Ion    1,2,3,4-Tetrahydroisoquinoline     $\beta$ -Amino Ketone    Synthesis

**1649 Molecular Iodine Mediated Synthesis of 2,4,5-Trisubstituted Imidazoles Commencing from  $\alpha$ -Methylene Ketones and Benzylic Primary Alcohols Using a One-Pot, Two-Step Approach**

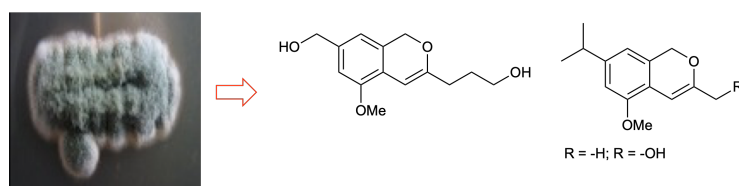
Lindokuhle P. Mabizela and Vineet Jeena\*



Alcohol    Methylene Ketone    Imidazole    Iodine    Oxidation

**1661 New Anti-TMV Isochromenes from *Nicotiana tabacum*-Derived Endophytic Fungus *Aspergillus versicolor***

Qiu-Fen Hu, Ling-Fang Zhang, Guang-Hai Zhang, Mei-Fen Bao, Yin-Ke Li, Dong Miao, Yu-Ping Wu, Gang Du,\* and Guang-Hui Kong\*


 Isochromene    *Aspergillus versicolor*    Anti-TMV Activity    *Nicotiana tabacum*

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

---

- 1669 Polyketides
  - 1672 Aromatics
  - 1679 Terpenes
  - 1682 Steroids
  - 1683 Alkaloids
  - 1691 Miscellaneous
- 

■ BRUSH UP YOUR HETEROCYCLES

---

- 1693 Brush Up Your Heterocycles
-

## Contributors To This Issue

1601 Abdel-Wahab, Bakr F.  
1573 Ali, Tarik E.  
1565 Asahara, Nozomi  
1573 Assiri, Mohammed A.  
1661 Bao, Mei-Fen  
1559 Chen, Li-jun  
1641 Chen, Meihang  
1625 Daroughezadeh, Ziba  
1661 Du, Gang  
1584 Duanmu, Chuansong  
1601 El-Hiti, Gamal A.  
1601 Farahat, Abdelbasset A.  
1641 He, Yi  
1661 Hu, Qiu-Fen  
1584 Huang, Yiping  
1559 Huang, Zhi-you  
1649 Jeena, Vineet  
1601 Kariuki, Benson M.  
1625 Kiyani, Hamzeh  
1661 Kong, Guang-Hui  
1584 Li, Jin  
1641 Li, Jing  
1559 Li, Min-xin  
1559 Li, Wen-sheng  
1584 Li, Yanxing  
1661 Li, Yin-Ke  
1641 Liu, Xurong  
1641 Luo, Hairong  
1649 Mabizela, Lindokuhle P.  
1614 Matsui, Ayako  
1661 Miao, Dong  
1601 Mohamed, Hanan A.  
1535 Nakamura, Itaru  
1614 Okamoto, Hideki  
1614 Satake, Kyosuke  
1535 Terada, Masahiro  
1641 Tian, Fen  
1565 Tsukada, Naofumi  
1559 Wang, Ye-she  
1661 Wu, Yu-Ping  
1559 Xiang, Bing-rong  
1559 Xu, Jia  
1584 Xu, Weichuan  
1614 Yamazaki, Naomi  
1584 Ye, Wenjie  
1661 Zhang, Guang-Hai  
1661 Zhang, Ling-Fang  
1584 Zhou, Feng  
1584 Zhu, Kai