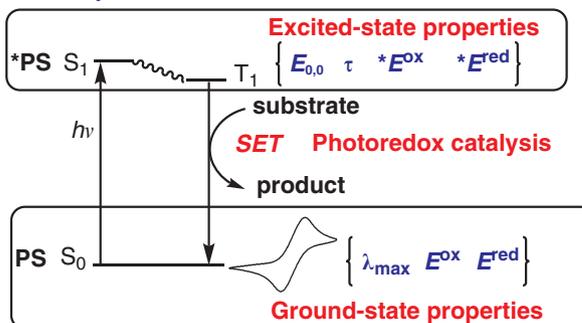


Cluster

Organic Photoredox Catalysis in Synthesis – Honoring Prof. Shunichi Fukuzumi's 70th Birthday

Editor: David Nicewicz

> 200 photosensitizers summarized



Photophysical Properties and Redox Potentials of Photosensitizers for Organic Photoredox Transformations

Y. Wu, D. Kim, T. S. Teets

Synlett

Synlett 2022, 33, 1103–1107
DOI: 10.1055/a-1787-1429

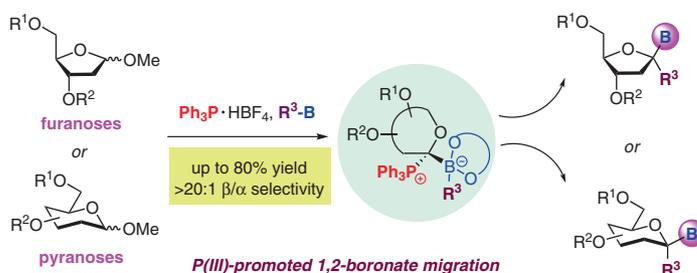
Z.-T. He*

University of Chinese Academy
of Sciences, P. R. of China

Phosphorus(III)-Promoted 1,2-Boronate Migration and Application to Stereoselective *gem*-C,B-Glycosylation

Synfacts

1103



Synlett

Synlett 2022, 33, 1108–1116
DOI: 10.1055/a-1743-4650

J. Chaturvedi

C. Haldar

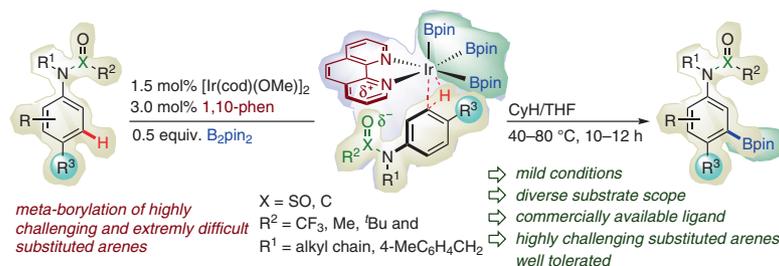
B. Chattopadhyay*

SGPGIMS Campus, India

Electrostatically Directed *meta*-Selective Borylation of Arenes

Synfacts

1108



Adapted with permission from *J. Am. Chem. Soc.* 2021, 143, 7604–7611.
Copyright (2021) American Chemical Society.

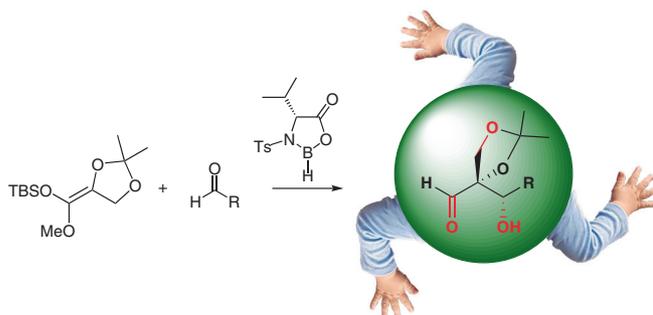
Synlett

Synlett 2022, 33, 1117–1122
DOI: 10.1055/a-1775-7590D. Lücke
M. Kalesse*Gottfried Wilhelm Leibniz Uni-
versität Hannover, Germany

Chiral Polyoxygenated Tertiary Alcohols through Kiyooka Aldol Reaction

Account

1117



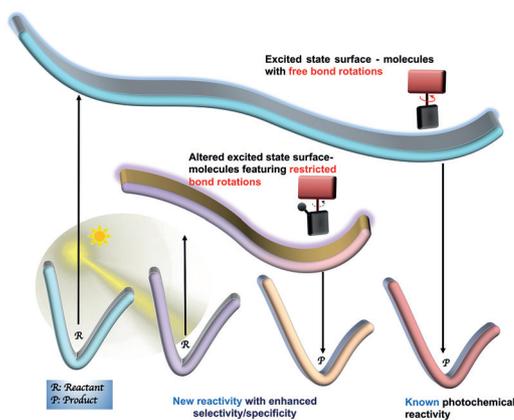
Synlett

Synlett 2022, 33, 1123–1134
DOI: 10.1055/a-1785-6910S. K. Kandappa
S. Ahuja
R. Singathi
L. K. Valloli
S. Baburaj
J. Parthiban
J. Sivaguru*Bowling Green State University,
USA

Using Restricted Bond Rotations to Enforce Excited-State Behavior of Organic Molecules

Account

1123



Synlett

Synlett 2022, 33, 1135–1136
DOI: 10.1055/s-0041-1738656

D. Nicewicz*

University of North Carolina
at Chapel Hill, USA

Cluster Preface: Organic Photoredox Catalysis in Synthesis – Honoring Professor Shunichi Fukuzumi's 70th Birthday

Cluster

1135



Synlett

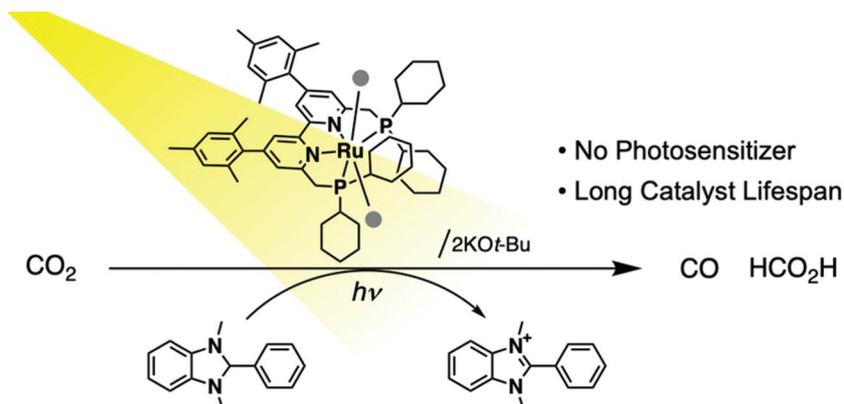
Synlett 2022, 33, 1137–1141
DOI: 10.1055/a-1709-0280K. Kamada
H. Okuwa
T. Wakabayashi
K. Sekizawa
S. Sato
T. Morikawa
J. Jung*
S. Saito*

Nagoya University, Japan

A Highly Durable, Self-Photosensitized Mononuclear Ruthenium Catalyst for CO₂ Reduction

Cluster

1137



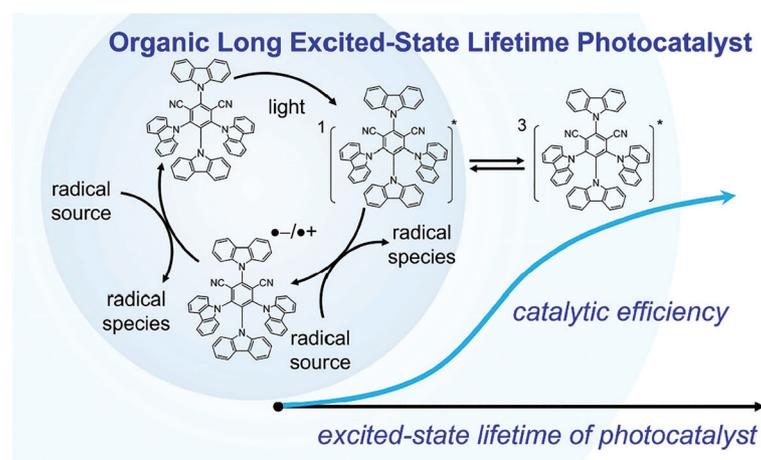
Synlett

Synlett 2022, 33, 1142–1153
DOI: 10.1055/a-1608-5633D. Y. Jeong
Y. You*Ewha Womans University,
Republic of Korea

Organic Photoredox Catalysts Exhibiting Long Excited-State Lifetimes

New Tools

1142



Synlett

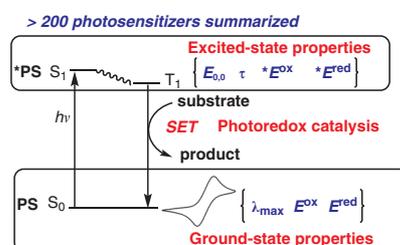
Synlett 2022, 33, 1154–1179
DOI: 10.1055/a-1390-9065Y. Wu
D. Kim
T. S. Teets*

University of Houston, USA

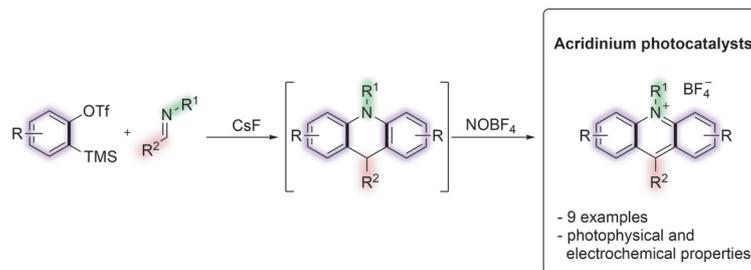
Photophysical Properties and Redox Potentials of Photosensitizers for Organic Photoredox Transformations

New Tools

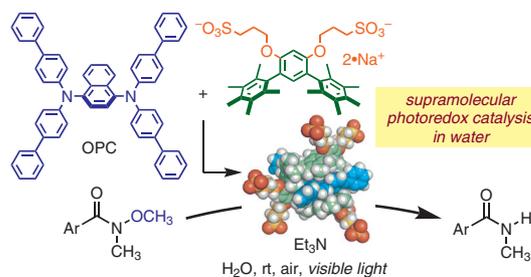
1154



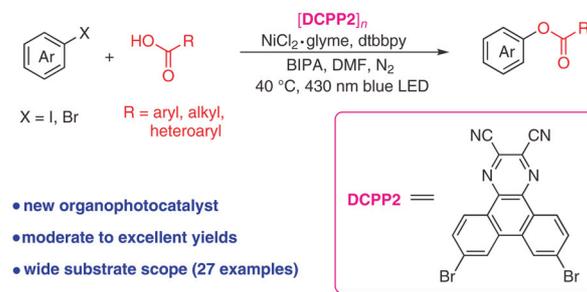
The Versatility of the Aryne–Imine–Aryne Coupling for the Synthesis of Acridinium Photocatalysts



Assemblies of 1,4-Bis(diarylamino)naphthalenes and Aromatic Amphiphiles: Highly Reducing Photoredox Catalysis in Water



7,10-Dibromo-2,3-dicyanopyrazinophenanthrene Aggregates as a Photosensitizer for Nickel-Catalyzed Aryl Esterification



Synlett

Synlett 2022, 33, 1194–1198
DOI: 10.1055/a-1665-9220

S. M. Stull

L. Mei

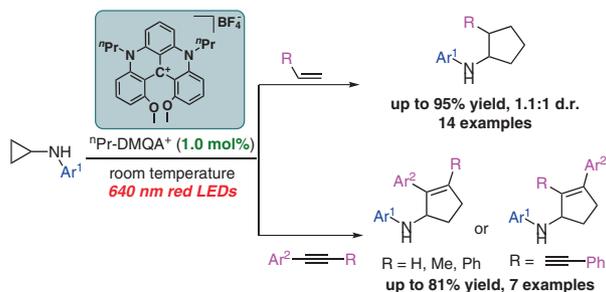
T. L. Gianetti*

University of Arizona, USA

Red-Light-Induced *N,N'*-Dipropyl-1,13-dimethoxyquinacridinium-Catalyzed [3+2] Cycloaddition of Cyclopropylamines with Alkenes or Alkynes

Cluster

1194



Synlett

Synlett 2022, 33, 1199–1203
DOI: 10.1055/s-0040-1719871

F. Weick

D. Steuernagel

A. Belov

H.-A. Wagenknecht*

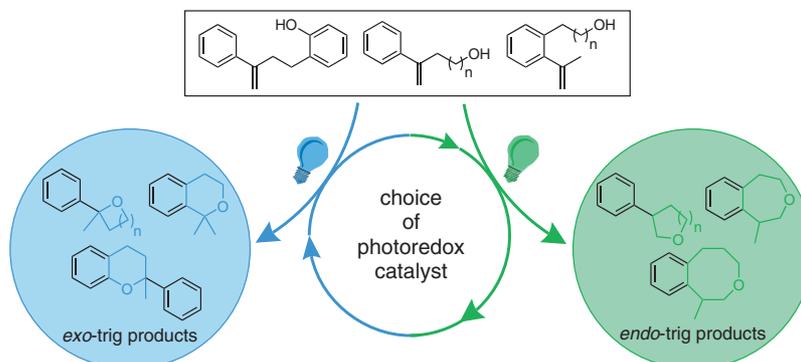
Karlsruhe Institute of Technology (KIT), Germany

Complementary Photocatalytic Toolbox: Control of Intramolecular *endo*- versus *exo*-trig Cyclizations of α -Phenyl Olefins to Oxaheterocyclic Products

Cluster

OPEN
ACCESS

1199



Synlett

Synlett 2022, 33, 1204–1208
DOI: 10.1055/s-0040-1719872

B. T. Nicholls

T. Qiao

T. K. Hyster*

Cornell University, USA

A Photoenzyme for Challenging Lactam Radical Cyclizations

Cluster

1204

