



شیمی و علوم نفت / شیمی معدنی

بابک

نعمتی

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پروفایل علم سنجی:

کتاب

■ مجموعه آزمون های کارشناسی ارشد شیمی

بابک نعمتی

پردازشگران، ۱۳۸۹، شابک: ۹۷۸-۹۶۴-۲۴۸-۰۹۲-۰

مقالات علمی چاپ شده در مجلات

■ Phenanthroimidazole as molecularly engineered switch for efficient and highly long-lived light-emitting electrochemical cell

Babak Nemati Bideh, Majid Moghadam, Ahmad Sousaraei, Behnoosh Shahpoori Arani  
Scientific Reports, 2023

■ Design and development of a low-cost imidazole-based hole transporting material for perovskite solar cells

Babak Nemati Bideh, Hashem Shahroosvand, Mohammad Khaja Nazeeruddinb, Fatemeh Sadeghi, Negin Sabahi, Babak Pashaei  
Energy Advances, 2023

■ New Molecularly Engineered Binuclear Ruthenium (II) Complexes for Highly Efficient Near-Infrared Light-Emitting Electrochemical Cell (NIR-LEC)

Babak Nemati Bideh, Hashem Shahroosvand  
DALTON TRANSACTIONS, 2022

■ High-Efficiency Deep-Red Light-Emitting Electrochemical Cell Based on a Trinuclear Ruthenium(II)–Silver(I) Complex

Babak Nemati Bideh, Hashem Shahroosvand, Mohammad Khaja Nazeeruddinb  
INORGANIC CHEMISTRY, 2021

■ Molecularly Engineered Near-Infrared-Light-Emitting Electrochemical Cell (NIR-LEC)

Babak Nemati Bideh, Hashem Shahroosvand  
NEW JOURNAL OF CHEMISTRY, 2019

■ A near infrared light emitting electrochemical cell with a 2.3V turn-on voltage

Babak Nemati Bideh, Hashem Shahroosvand, Ahmad Sousaraei, Juan Cabanillas-Gonzalez  
Scientific Reports, 2019

■ Dye-Sensitized Solar Cell Based on Novel Star-Shaped Ruthenium Polypyridyl Sensitizer: New Insight into the Relationship between Molecular Designing and Its Outstanding Charge Carrier Dynamics

Babak Nemati Bideh, Hashem Shahroosvand, Parisa Abbasi  
ChemistrySelect, 2018

■ On how ancillary ligand substitution affects the charge carrier dynamics in dye-sensitized solar cells

Babak Nemati Bideh, Hashem Shahroosvand, Babak Pashaei, Saeid Abaspour  
RSC Advances, 2018

■ Low-Turn-On-Voltage, High-Brightness, and Deep-Red Light-Emitting Electrochemical Cell Based on a New Blend of [Ru(bpy) 3 ] 2+ and Zn–Diphenylcarbazone

Babak Nemati Bideh, Hashem Shahroosvand, Leyla Heydari, Babak Pashaei  
ACS Omega, 2018

■ Influence of a P-Conjugated Bridging Ligand in Light-Emitting Electrochemical Cells (LEECs)

Babak Nemati Bideh, Hashem Shahroosvand  
ChemistrySelect, 2018

■ Efficient near infrared light emitting electrochemical cell (NIR-LEEC) based on new binuclear ruthenium phenanthroimidazole exhibiting desired charge carrier dynamics

Babak Nemati Bideh, Hashem Shahroosvand  
Scientific Reports, 2017

■ Ruthenium phenanthroimidazole complexes for near infrared light-emitting electrochemical cells

Babak Nemati Bideh, Hashem Shahroosvand, Cristina Roldan Carmona, Mohammad Khaja Nazeeruddin  
Journal of Materials Chemistry C, 2016

■ Low-Voltage, High-Brightness and Deep-Red Light-Emitting Electrochemical Cell (LECs) Based on New Ruthenium(II) Phenanthroimidazole Complexes

Babak Nemati Bideh, Hashem Shahroosvand, Cristina Roldan Carmona, Mohammad Khaja Nazeeruddin  
DALTON TRANSACTIONS, 2016

مقالات علمی ارائه شده در همایش‌ها

■  $\pi$ - Extended Dinuclear Ruthenium(II) Complex for Dye-Sensitized Solar Cell

بابک نعمتی، میلاد مظاهری

بیست و دومین کنفرانس شیمی معدنی ایران

■ Electrochemical characterization of binuclear ruthenium (II) complex towards application in efficient (Dye Sensitized Solar Cell (DSSC

بابک نعمتی

شانزدهمین سمینار سالانه الکتروشیمی ایران

■ Electrochemical characterization of binuclear ruthenium (II) complex towards application in light-emitting electrochemical cells (LECs

بابک نعمتی

چهاردهمین سمینار دوسالانه الکتروشیمی ایران

پایان‌نامه‌های کارشناسی‌ارشد

■ سنتز و شناسایی کمپلکس‌های فسفرسانسی جدید بر پایه‌ی ایمیدازول و کاربرد آنها در سلول‌های الکتروشیمیایی نورگسیل

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