https://scholar.google.com/citations?hl=en&user=9ZzuRsEAAAAJ&view_op=list_works&sortby=pubdate

نام و نام خانوادگی: محمد رضا محمودیان

موسس، فناور و رییس هیت مدیره شرکت دانش بنیان نوآوران نانو صنعت معین

عضو هیئت علمی دانشگاه فرهنگیان (بهشتی تهران)

عضو پاره وقت دفتر تالیف کتب درسی (گروه شیمی)

عضو شورای برنامه ریزی کتب درسی شیمی دفتر تالیف کتب درسی

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مسئول گروه شیمی شهرتهران (آموزش وپرورش شهر تهران) ۱۳۸۱ تا ۱۳۸۵

مسئول مرکز کارافرینی و نوآوری دانشگاه فرهنگیان از ۱۳۹۹ تا ۱۴۰۱

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اجرای کارگاه آموزشیEIS برای اساتید دانشگاه آزاد1395

اجرای کارگاه آموزشی برای اساتید دانشگاه UM مالزی1395

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http://electroactmater.com/index.php?option=com_content&view=article&id=85&Itemid=134

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دانشگاه آزاد دماوند، 1382-1387، شیمی پایه و شیمی تجزیه

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شیمی عمومی۲ و ازمایشگاه شیمی عمومی۲

شیمی تجزیه ۱ و ازمایشگاه شیمی تجزیه ۱

شیمی تجزیه ۲(الکتروشیمی) و ازمایشگاه شیمی تجزیه ۲

انالیز دستگاهی

شیمی تجزیه پیشرفته

تحلیل محتوای آموزشی در شیمی

راهبردهای تدریس در آموزش شیمی

جوایز:

انتخاب طرح نانوافزودنیSn-doped TiO2 برای کنترل خوردگی اینجانب بعنو ان طرح نوآورانه سال۹۵ ازطرف معاونت فناوری ریاست جمهوری وستاد نانوفناوری

سه کمک هزینه پروژه از دانشگاه مالایا، (۲۰۰۹، ۲۰۱۰ و ۲۰۱۱)

انتخاب کتاب تحت عنوان "ساختار اتمی" (محراب قلم، تهران، ایران، 1384) در جشنواره رشد (ایران، 1384)

داری سطح بلوغ فناوری ۸ (TRL)برپایه تولید وفناوری نانو افزودنی ضد خوردگی از وزارت علوم وفناوری

کتاب:

1)کتاب معلم شیمی۳ وآزمایشگاه (وزارت آموزش وپرورش1393)

2) ساختار اتم برای معلم شیمی "(قائم مقام فراهانی، تهران ایران، 1387)
3) "چرخه بورن هابر" (معراج، تهران ایران، 1386)
4) تصویر سازی در آموزش شیمی "(فرهیختگان علوی، تهران. ایران، 1385)
5) "ساختار اتم" (محراب قلم، تهران، ایران، 1383)

زمینه های تخصص:

-الکتروشیمی (الکتروسنتز، Electrodeposition)
-خوردگی (طیف سنجی امپدانس الکتروشیمیایی)
-سنسور

کتب بین المللی :

Abdolhossein Sáaedi, Mahmood Moradi, Mohamed H. Alkordi, **Mohammad Reza Mahmoudian**,Gholam Hossein Bordbar,Ramin Yousef, Functional Nanomateria, Graphene-Metal-Organic Framework Modified Gas Sensor, **Springer**, 2020.

همکاریهای بین المللی:

Hanyang University

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Email: erfan@hanyang.ac.kr

Date: 10/08/2016

To whom it may concern

This letter is to certify that Dr. Mohammad Reza Mahmoudian has been invited by Thin Film Coating Laboratory at Department of Mechanical Engineering, Eng. Center, Hanyang University, Seoul, South Korea to held seminar and workshop on nanotechnology and electrochemistry from 29th July to 14th August. His advice and experience were very useful and applicable for graduate students. We wish to continue collaborating and inviting him in near future.

Sincerely Yours;

Erfan Zal Nezhad

Professor Erfan Zal Nezhad
Dep.of Mechanical Eng.
Hanyang University, Seoul, Korea
TEL : 2220-0442
한 양 대 학 교

UNIVERSITI MALAYA

16 July 2021

To whom it may concern,

It is hereby to confirm that the following projects have been carried out in collaboration with Dr. Mohammad Reza Mahmoudian from Farhangian University in the Department of Chemistry, Universiti Malaya and their cost have been paid using the grants mentioned in each article. The cost per article for purchasing materials and characterization was an average of RM 5,000 which a part of this amount was spent for living cost for Dr. Mohammad Reza Mahmoudian during his stay in Malaysia.

Synthesis of polyaniline microtubes/Pt reduced N-graphene oxide in the presence of L-glutamine for the detection of Hg^{2+} — 2020
MR Mahmoudian, WJ Basirun, PM Woi, Y Alias
Journal of Applied Electrochemistry 50 (12), 1269-1280
Impact Oriented Interdisciplinary Research Grant (IIRG013B-2019) and Prototype Research Grant Scheme (PR003-2018A)

Investigating the effectiveness of g-C_3N_4 on Pt/g-C_3N_4/polythiophene nanocomposites performance as an electrochemical sensor for Hg^{2+} detection — 2020
MR Mahmoudian, WJ Basirun, Y Alias, P MengWoi
Journal of Environmental Chemical Engineering 8 (5), 104204
Impact Oriented Interdisciplinary Research Grant (IIRG013B-2019) and Prototype Research Grant Scheme (PR003-2018A)

An electrochemical sensor based on Pt/g-C_3N_4/polyaniline nanocomposite for detection of Hg^{2+} — 2020
MR Mahmoudian, Y Alias, PM Woi, R Yousefi, WJ Basirun
Advanced Powder Technology 31 (8), 3372-3380
Impact Oriented Interdisciplinary Research Grant (IIRG013B-2019) and Prototype Research Grant Scheme (PR003-2018A)

Voltammetric sensing of formaldehyde by using a nanocomposite prepared by reductive deposition of palladium and platinum on polypyrrole-coated nitrogen-doped reduced graphene oxide — 2019
MR Mahmoudian, WJ Basirun, PM Woi, H Hazarkhani, YB Alias
Microchimica Acta 186 (6), 1-12
Prototype Research Grant Scheme (PR003-2018A)

Synthesis and characterization of α-Fe_2O_3/polyaniline nanotube composite as electrochemical sensor for uric acid detection — 2019
MR Mahmoudian, WJ Basirun, M Sookhakian, PM Woi, E Zalnezhad, YB Alias
Advanced Powder Technology 30 (2), 384-392
Prototype Research Grant Scheme (PR003-2018A)

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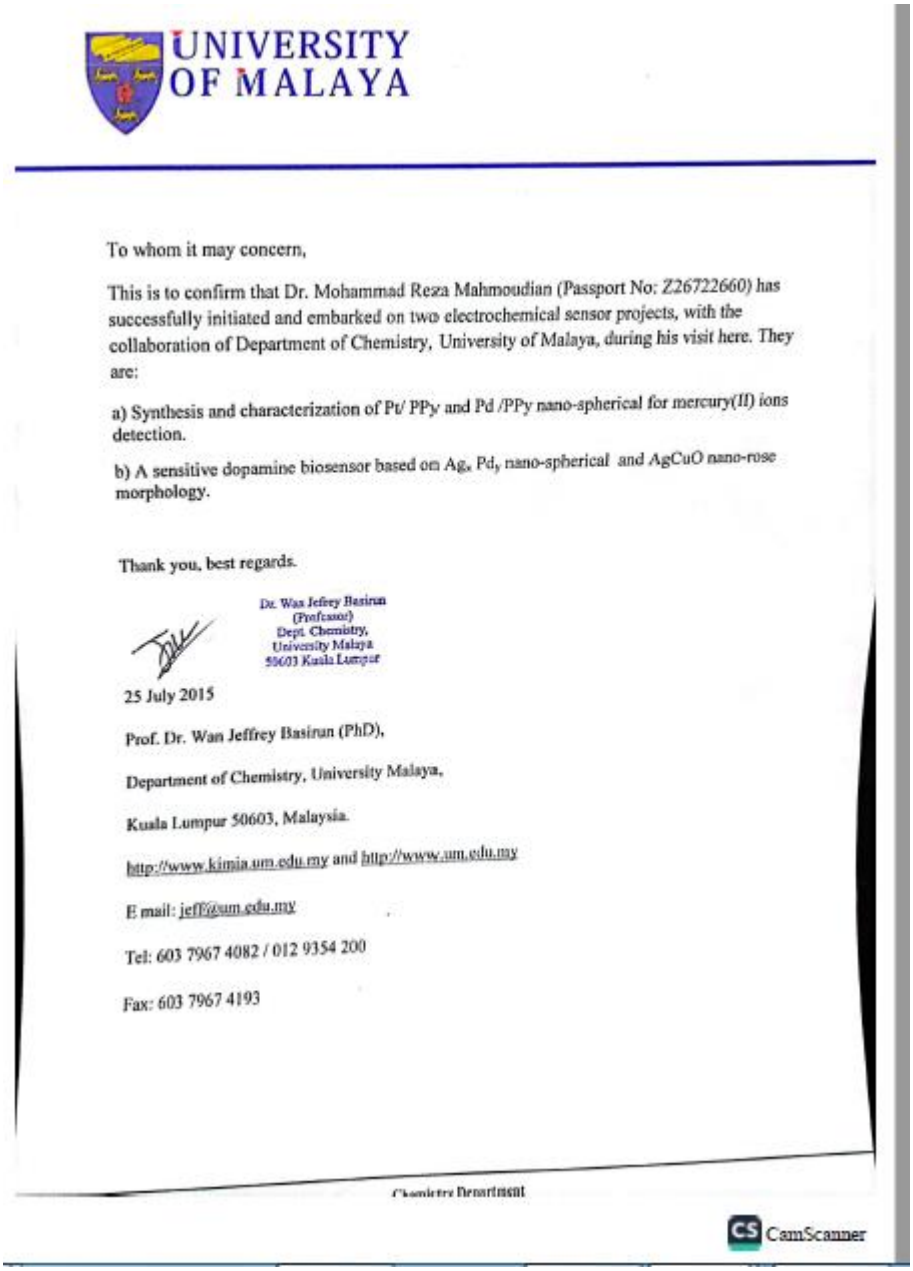
I-Glutamine-assisted synthesis of ZnO oatmeal-like/silver composites as an electrochemical sensor for Pb^{2+} detection — 2019

MR Mahmoudian, WJ Basirun, PM Woi, R Yousefi, Y Alias
Analytical and bioanalytical chemistry 411 (2), 517-526
Prototype Research Grant Scheme (PR003-2018A)

If you require further clarifications, please reach me by pmwoi@um.edu.my

Yours truthfully,

PI for IIRG013B-2019
Co-PI for PR003-2018A



UNIVERSITY OF MALAYA

To whom it may concern,

This is to confirm that Dr. Mohammad Reza Mahmoudian (Passport No: Z26722660) has successfully initiated and embarked on two electrochemical sensor projects, with the collaboration of Department of Chemistry, University of Malaya, during his visit here. They are:

a) Synthesis and characterization of Pt/ PPy and Pd /PPy nano-spherical for mercury(II) ions detection.

b) A sensitive dopamine biosensor based on Ag, Pd, nano-spherical and AgCuO nano-rose morphology.

Thank you, best regards.

Dr. Wan Jeffrey Basirun
(Professor)
Dept. Chemistry,
University Malaya
50603 Kuala Lumpur

25 July 2015

Prof. Dr. Wan Jeffrey Basirun (PhD),

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Chemistry Department

CamScanner

پروژه های در حال انجام تحت شرکت دانش بنیان نوآوران نانو صنعت معین

۱-تثبیت گرد و غبار تحت نظارت ستاد ملی مبارزه با گرد و غبار ریاست جمهوری

۲- پوشش پیچ وپابند صنایع ریلی وزارت راه و شهر سازی (راه آهن جمهوری اسلامی

مقالات ISI:

Publications: ISI Journals (Accepted or Published):

Publications: ISI Journals (Accepted or Published):

1-E Rasouli, WJ Basirun, MR Johan, M Rezayi, **M.R. Mahmoudian**, Electrochemical DNA-nano biosensor for the detection of cervical cancer-causing HPV-16 using ultrasmall Fe3O4-Au core-shell nanoparticles, 2023, Sensing and Bio-Sensing Research 40, 100562

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3-M.R. Mahmoudian, Synthesis and characterization of Fe3O4/Polyaniline microtube composite as electrochemical sensor for Lead (II) detection, Journal of Research on Many-body Systems 12 , 2022(1), 101-114

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5-M.R. Mahmoudian, W.J. Basirun, Y. Alias, P. MengWoi, Investigating the effectiveness of g-C3N4 on Pt/g-C3N4/polythiophene nanocomposites performance as an electrochemical sensor for Hg2+ detection, Journal of Environmental Chemical Engineering 8 , 2020(5), 104204

6-M.R. Mahmoudian, Y. Alias, P.M. Woi, R. Yousefi, W.J. Basirun, An electrochemical sensor based on Pt/g-C3N4/polyaniline nanocomposite for detection of Hg2+, Advanced Powder Technology 31, 2020 (8), 3372-3380

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