

A. NAME:

- Morteza Hosseini

**B. BUSINESS ADDRESS:**

- *Department of Life Science Engineering, Faculty of New Sciences & Technologies, University of Tehran, Amirabad Road, Tehran, Iran.*
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C. OTHER PERSONAL DATA:

- Date of Birth: April 22, 1975
- Birthplace: Mazandaran Province, Iran
- Citizenship: Iranian
- Marital Status: Married, child.

D. EDUCATIONAL BACKGROUND:

- Ph. D. (2001-2005), Faculty of science, Tarbiat Modares, Tehran, Iran
- M. Sc. (1998-2001), Faculty of Science, Tehran University, Tehran, Iran
- B. Sc. (1994-1998), Faculty of Science, Gilan University, Rasht, Iran
 - Visiting Professor in MC Master University, supervisor: Yingfu Li
Department of Biochemistry and Biomedical Sciences, McMaster University
Canada 2019

E. CURRENT STATUS AT Tehran UNIVERSITY:

- Professor, Department of Life Science Engineering, Faculty of New Sciences & Technologies, University of Tehran
- Head of central lab, University of Tehran (Tehran, Iran) (2012-2016)
- Head of central lab, Excellent of Electrochemical Institute, University of Tehran (2016-)

F. PROFESSIONAL ORGANIZATIONS:

- Iranian Chemical Society, 2012-

G. EMPLOYMENT HISTORY:

- Professor, *Faculty of New Sciences & Technologies*, Tehran University, starting from July 8th, 2020

- Associate Professor, *Faculty of New Sciences & Technologies*, Tehran University , starting from February 22th, 2015-
- Assistant Professor, *Faculty of New Sciences & Technologies*, Tehran University , December, 2010 - February, 2015

Awards and Honor

- 1% Iranian ISI Scientist in engineering (2017)
- 1% Iranian ISI Scientist in chemistry (2020-)
- Selected researcher at the research festival of the University of Tehran (2017)
- Selected researcher at the research festival of the University of Tehran (2022)
- Selected young scientist at the international festival of the University of Tehran (2015)
- Selected top scientist at the international festival of the University of Tehran & Medical Tehran university (2022)

- The Second Class Award of Innovation talents in Tehran province 2016.
- Ranked 2nd in the best researchers in science research by The Academy of Medicine Science (2020)

I. AREAS OF RESEARCH INTEREST:

- Design and construction of new Biosensor & Nanobiosensor
- Design of new portable diagnostic devices
- Synthesis of new nanomaterials (Quantum dots, metal clusters,...) and application of these in Diagnostics
- Epigenetics recognition (DNA methylation detection)
- Functional Nucleic Acid nanobiosensors
- Aptasensors
- Electrochemiluminescence and chemiluminescence for analysis
- Biopolymer synthesis and biodegradation

K. RESEARCH FUNDING (2010-)

- Title: Design and construction of optical aptasensor for recognition of the oxytetracycline in food samples
The name of applicants: Morteza Hosseini
Source agency: Iran National Science Foundation (INFS)
- Title: Design and construction of nanobiosensor for diagnosis of epigenetic disorders

The name of applicants: Morteza Hosseini

Source agency: Iran National Science Foundation (INFS)

- Wireless electrochemiluminescence multiplex Covid-19 immunosensors using smartphone detector, carbon nanohorn, and cobalt-noble metal nanocomposite, CAS-Iranian VicePresidency for Science and Technology Joint Research Project(2021-2023)
- Title: Design of new ECL portable nanobiosensor for corona viruses (L'Agence Universitaire de la Francophonie- AUF- 2021)
- Title: Design and construction of optical nanobiosensor based on metal nanocluster for recognition of point mutation in human serum
Source agency: Iran National Science Foundation (INFS)

L. PUBLICATIONS :

a) Journal articles *Corresponding author

WOS (Published: 255 H: 46 citation : 7134)

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GoogleScholar:

https://scholar.google.com/citations?hl=en&user=PS4HgIAAAAAJ&view_op=list_works&sortby=pubdate

Invited Chapters Books

- **DNA-Templated Silver Nanoclusters for DNA Methylation Detection**, Hanie Ahmadzade Kermani, **Morteza Hosseini***, Mehdi Dadmehr, DNA Nanotechnology, Springer 2018

- **Application of Graphene Materials in Molecular Diagnostics**, Foad Salehnia, Neda Fakhri, **Morteza Hosseini***, Mohammad Reza Ganjali, Handbook of Graphene Set, Wiley 2019
- **Lanthanide materials as chemosensors**, FarnoushFaridbod, Mohammad R.Ganjali, **Morteza Hosseini**, Lanthanide-Based Multifunctional Materials, Elsevier, 2018
- **Early detection of lung cancer biomarkers through biosensor**, Mehdi Dadmehr, Pouria Jafari and **Morteza Hosseini**, Biosensor Based Advanced Cancer Diagnostics, Elsevier, 2021
- **Colorimetric technique-based biosensors for early detection of cancer**, Kosar Shahsavari, Aida Alaei and **Morteza Hosseini**, Biosensor Based Advanced Cancer Diagnostics, Elsevier, 2021
- **Graphene-based devices for cancer diagnosis**, Fatemeh Nemati, Azam Bagheri Pebdeni and **Morteza Hosseini**, Biosensor Based Advanced Cancer Diagnostics, Elsevier, 2021
- **Novel paper-based diagnostic devices for early detection of cancer**, Maryam Mousavizadegan, Amirreza Roshani and **Morteza Hosseini**, Biosensor Based Advanced Cancer Diagnostics, Elsevier, 2021
-

Selected paper (2010-)

- 1- Smart fluorescence aptasensor using nanofiber functionalized with carbon quantum dot for specific detection of pathogenic bacteria in the wound, AB Pebdeni, M Hosseini, A Barkhordari, **Talanta** 246, 123454, 2022
- 2- Multiplex Detection of Antibiotic Residues in Milk: Application of MCR-ALS on Excitation–Emission Matrix Fluorescence (EEMF) Data Sets, MN Sheikholeslami, Y Hamidipana, F Salehnia, S Arshian, M Hosseini, ..., **Analytical Chemistry** 94 (16), 6206-6215, 2022
- 3- Comprehensive review on the electrochemical biosensors of different breast cancer biomarkers, IM Mostafa, Y Tian, S Anjum, S Hanif, M Hosseini, B Lou, G Xu, **Sensors and Actuators B: Chemical**, 131944, 2022
- 4- Recent trends and advancements in electrochemiluminescence biosensors for human virus detection, E Sobhanie, F Salehnia, G Xu, Y Hamidi, S Arshian, A Firoozbakhtian, ... **TrAC Trends in Analytical Chemistry**, 116727, 2022
- 5- Turn-on electrochemiluminescence sensing of melatonin based on graphitic carbon nitride nanosheets, M Hosseini, E Hashemian, F Salehnia, MR Ganjali, **Journal of Electroanalytical Chemistry**, 116593, 2022
- 6- An Ultrasensitive ECL Sensor Based on Conducting Polymer/Electrochemically Reduced Graphene Oxide for Non-Enzymatic H₂O₂ Detection in Biological Samples

- Sobhanie, E., F. Faridbod, M. Hosseini* and M. R. Ganjali 2020 **ChemistrySelect** 5(17) , pp. 5330-5336
- 7- Fluorescence immunoassay based on nitrogen doped carbon dots for the detection of human nuclear matrix protein NMP22 as biomarker for early stage diagnosis of bladder cancer Othman, H. O., F. Salehnia, M. Hosseini*, R. Hassan, A. Faizullah and M. R. Ganjali 2020 **Microchemical Journal** 157
- 8- A label-free luminescent light switching system for miRNA detection based on two color quantum dots Borghei, Y. S., M. Hosseini* and M. R. Ganjali 2020 **Journal of Photochemistry and Photobiology A: Chemistry** 391
- 9- Paper based colorimetric detection of miRNA-21 using Ag/Pt nanoclusters Fakhri, N., S. Abarghoei, M. Dadmehr, M. Hosseini*, H. Sabahi and M. R. Ganjali 2020 **Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy** 227
- 10- Whole cell FRET immunosensor based on graphene oxide and graphene dot for *Campylobacter jejuni* detection Dehghani, Z., J. Mohammadnejad, M. Hosseini*, B. bakhshi and A. H. Rezayan 2020 **Food Chemistry** 309
- 11- A novel dual-mode and label-free aptasensor based methodology for breast cancer tissue marker targeting Borghei, Y. S., M. Hosseini*, M. R. Ganjali and S. Hosseinkhani 2020 **Sensors and Actuators, B: Chemical** 315
- 12- Use of an electrogenerated chemiluminescence sensor modified with Sm₂O₃ nanoparticles/chitosan for the analysis of phenylalanine Beigi, S. M., C. A. Khurshid, F. Mesgari, T. Poursaberi and M. Hosseini* 2020 **Analytical and Bioanalytical Electrochemistry** 12(1) , pp. 141-154
- 13- Improved Performance for Acyclovir Sensing in the Presence of Deep Eutectic Solvent and Nanostructures and Polymer Hamtak, M., L. Fotouhi*, M. Hosseini* and P. Seyed Dorraji 2020 **IEEE Sensors Journal** 20(2) , pp. 623-630
- 14- An enhancement of luminol chemiluminescence by cobalt hydroxide decorated porous graphene and its application in glucose analysis Beigi, S. M., F. Mesgari, M. Hosseini*, M. Aghazadeh and M. R. Ganjali 2019 **Analytical Methods** 11(10) , pp. 1346-1352
- 15- A new colorimetric assay for amylase based on starch-supported Cu/Au nanocluster peroxidase-like activity Dehghani, Z., J. Mohammadnejad and M. Hosseini* 2019 **Analytical and Bioanalytical Chemistry** 411(16) , pp. 3621-3629
- 16- A colorimetric paper sensor for citrate as biomarker for early stage detection of prostate cancer based on peroxidase-like activity of cysteine-capped gold nanoclusters Abarghoei, S., N. Fakhri, Y. S. Borghei, M. Hosseini* and M. R. Ganjali 2019 **Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy** 210 , pp. 251-259
- 17- A New Eye Dual-readout Method for MiRNA Detection based on Dissolution of Gold nanoparticles via LSPR by CdTe QDs Photoinduction Borghei, Y. S. and M. Hosseini* 2019 **Scientific Reports** 9(1)
- 18- A unique FRET approach toward detection of single-base mismatch DNA in BRCA1

- gene Borghei, Y. S., M. Hosseini*, M. R. Ganjali and H. Ju 2019 **Materials Science and Engineering C** 97, pp. 406-411
- 19- A fluorescence nanobiosensor for detection of *Campylobacter jejuni* DNA in milk based on Au/Ag bimetallic nanoclusters Dehghani, Z., M. Hosseini* and J. Mohammadnejad 2019 **Journal of Food Measurement and Characterization** 13(3) , pp. 1797-1804
- 20- Enhanced peroxidase-like activity of platinum nanoparticles decorated on nickel- and nitrogen-doped graphene nanotubes: colorimetric detection of glucose Fakhri, N., F. Salehnia, S. Mohammad Beigi, S. Aghabalazadeh, M. Hosseini* and M. R. Ganjali 2019 **Microchimica Acta** 186(6)
- 21- Novel colorimetric sensor based on peroxidase-like activity of chitosan-stabilized Au/Pt nanoclusters for trace lead Dehghani, Z., M. Hosseini*, J. Mohammadnejad and M. R. Ganjali 2019 **Analytical Methods** 11(5) , pp. 684-690
- 22- Sensitive Nonenzymatic Electrochemiluminescence Determination of Hydrogen Peroxide in Dental Products using a Polypyrrole/Polyluminol/Titanium Dioxide Nanocomposite Hamtak, M., L. Fotouhi, M. Hosseini* and M. Reza Ganjali 2019 **Analytical Letters** 52(4) , pp. 633-648.
- 23- A graphitic carbon nitride (g-C₃N₄/Fe₃O₄) nanocomposite: An efficient electrode material for the electrochemical determination of tramadol in human biological fluids Hassannezhad, M., M. Hosseini*, M. R. Ganjali* and M. Arvand 2019 **Analytical Methods** 11(15) , pp. 2064-2071
- 24- Sensitive detection of methylated DNA and methyltransferase activity based on the lighting up of FAM-labeled DNA quenched fluorescence by gold nanoparticles Karimi, M. A., M. Dadmehr, M. Hosseini, B. Korouzhdehi and F. Oroojalian 2019 **RSC Advances** 9(21) , pp. 12063-12069.
- 25- Electrochemiluminescence sensor based on Ru(Bpy)₃²⁺-Eu₂(CO₃)₃ nanoparticle-chitosan modified electrode for the ultrasensitive detection of dextromethorphan HBr Mesgari, F., S. M. Beigi and M. Hosseini* 2019 **Analytical and Bioanalytical Electrochemistry** 11(9) , pp. 1255-1269.
- 26- A fluorometric study on the effect of DNA methylation on DNA interaction with graphene quantum dots Rafiei, S., M. Dadmehr, M. Hosseini*, H. A. Kermani and M. R. Ganjali 2019 **Methods and Applications in Fluorescence** 7(2).
- 27- Enhanced electrochemiluminescence of Ru(bpy)₃²⁺ by Sm₂O₃ nanoparticles decorated graphitic carbon nitride nano-sheets for pyridoxine analysis Mesgari, F., S. M. Beigi, F. Salehnia, M. Hosseini* and M. R. Ganjali 2019 **Inorganic Chemistry Communications** 106, pp. 240-247.
- 28- Early detection of cell apoptosis by a cytochrome C label-free electrochemiluminescence aptasensor Karimi Pur, M.R., Hosseini*, M., Faridbod, F., Ganjali, M.R., Hosseinkhani, S. 2018 **Sensors and Actuators, B: Chemical** 257, pp. 87-95

- 29- Fluorescence turn-on sensing of thiamine based on Arginine – functionalized graphene quantum dots (Arg-GQDs): Central composite design for process optimization Nemati, F., Zare-Dorabei, R., Hosseini, M., Ganjali, M.R. 2018 **Sensors and Actuators, B: Chemical** 255, pp. 2078-2085
- 30- Recent advances in biosensor technology in assessment of early diabetes biomarkers Salek-Maghsoudi, A., Vakhshiteh, F., Torabi, R., (...), Hosseini, M., Abdollahi, M. 2018 **Biosensors and Bioelectronics** 99, pp. 122-135 1
- 31- Fluorometric determination of microRNA via FRET between silver nanoclusters and CdTe quantum dots Borghei, Y.-S., Hosseini*, M., Ganjali, M.R. 2017 **Microchimica Acta** 184(12), pp. 4713-4721
- 32- Detection of hydrogen peroxide and glucose by using Tb₂(MoO₄)₃ nanoplates as peroxidase mimics Rahimi-Nasrabadi, M., Mizani, F., Hosseini*, M., Keihan, A.H., Ganjali, M.R. 2017 **Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy** 186, pp. 82-88
- 33- Study on the Interaction of the CpG Alternating DNA with CdTe Quantum Dots Hosseini, M*, Khaki, F., Shokri, E., (...), Feizabadi, M., Ajloo, D. 2017 **Journal of Fluorescence** 27(6), pp. 2059-2068
- 34- Highly sensitive label-free electrochemiluminescence aptasensor for early detection of myoglobin, a biomarker for myocardial infarction Pur, M.R.K., Hosseini, M*, Faridbod, F., Ganjali, M.R. 2017 **Microchimica Acta** 184(9), pp. 3529-3537
- 35- Copper nanocluster-enhanced luminol chemiluminescence for high-selectivity sensing of tryptophan and phenylalanine Borghei, Y.-S., Hosseini, M*, Khoobi, M., Ganjali, M.R. 2017 **Luminescence** 32(6), pp. 1045-1050
- 36- A sensitive colorimetric aptasensor with a triple-helix molecular switch based on peroxidase-like activity of a DNAzyme for ATP detection Shamsavar, K., Hosseini, M*, Shokri, E., Ganjali, M.R., Ju, H. 2017 **Analytical Methods** 9(32), pp. 4726-4731
- 37- Fluorescence based turn-on strategy for determination of microRNA-155 using DNA-templated copper nanoclusters Borghei, Y.-S., Hosseini, M*, Ganjali, M.R. 2017 **Microchimica Acta** 184(8), pp. 2671-2677
- 38- Metal-Chelate Immobilization of Lipase onto Polyethylenimine Coated MCM-41 for Apple Flavor Synthesis Sadighi, A., Motevalizadeh, S.F., Hosseini, M*, (...), Faramarzi, M.A., Khoobi, M. 2017 **Applied Biochemistry and Biotechnology** 182(4), pp. 1371-1389
- 39- A fluorometric aptamer based assay for cytochrome C using fluorescent graphitic carbon nitride nanosheets Salehnia, F., Hosseini, M*, Ganjali, M.R. 2017 **Microchimica Acta** 184(7), pp. 2157-2163
- 40- Detection of p53 Gene Mutation (Single-Base Mismatch) Using a Fluorescent Silver Nanoclusters Hosseini, M*, Mohammadi, S., Borghei, Y.-S., Ganjali, M.R. 2017 **Journal of Fluorescence** 27(4), pp. 1443-1448

- 41- An enhanced electrochemiluminescence sensor modified with a Ru(bpy)₃²⁺/Yb₂O₃nanoparticle/nafion composite for the analysis of methadone samples Hosseini, M*, Pur, M.R.K., Norouzi, P., Moghaddam, M.R., Ganjali, M.R. 2017 **Materials Science and Engineering C** 76, pp. 483-489
- 42- Enhancement of the peroxidase-like activity of cerium-doped ferrite nanoparticles for colorimetric detection of H₂O₂ and glucose Hosseini, M*, Sadat Sabet, F., Khabbaz, H., (...), Mizani, F., Ganjali, M.R. 2017 **Analytical Methods** 9(23), pp. 3519-3524
- 43- A novel electrochemiluminescence sensor based on an Ru(bpy)₃²⁺ - Eu₂O₃ - Nafion nanocomposite and its application in the detection of diphenhydramine Moghaddam, M.R., Ganjali, M.R., Hosseini, M*, Faridbod, F., Karimipur, M.R. 2017 **International Journal of Electrochemical Science**-12(6), pp. 5220-5232
- 44- Disulfide-induced self-assembled targets: A novel strategy for the label free colorimetric detection of DNAs/RNAs via unmodified gold nanoparticles Shokri, E., Hosseini*, M., Davari, M.D., (...), Peppelenbosch, M.P., Rezaee, F. 2017 **Scientific Reports** 7,45837
- 45- FRET-based aptamer biosensor for selective and sensitive detection of aflatoxin B1 in peanut and rice Sabet, F.S., Hosseini, M*, Khabbaz, H., Dadmehr, M., Ganjali, M.R. 2017 **Food Chemistry** 220, pp. 527-532
- 46- DNA methyltransferase activity detection based on graphene quantum dots using fluorescence and fluorescence anisotropy Kermani, H.A., Hosseini, M*, Dadmehr, M., Hosseinkhani, S., Ganjali, M.R. 2017 **Sensors and Actuators, B: Chemical** 241, pp. 217-223
- 47- Novel Fluorometric Assay for Detection of Cysteine as a Reducing Agent and Template in Formation of Copper Nanoclusters Borghei, Y.-S., Hosseini, M*, Khoobi, M., Ganjali, M.R. 2017 **Journal of Fluorescence** 27(2), pp. 529-536
- 48- A facile one-pot synthesis of cobalt-doped magnetite/graphene nanocomposite as peroxidase mimetics in dopamine detection Hosseini, M*, Aghazadeh, M., Reza Ganjali, M. 2017 **New Journal of Chemistry** 41(21), pp. 12678-12684
- 49- Graphene nanocomposite modified glassy carbon electrode: As a sensing platform for simultaneous determination of methyl dopa and uric acid Movlaee, K., Ganjali, M.R., Aghazadeh, M., (...), Shahabi, S., Norouzi, P. 2017 **International Journal of Electrochemical Science** 12(1), pp. 305-315
- 50- Label-free fluorescent detection of microRNA-155 based on synthesis of hairpin DNA-templated copper nanoclusters by etching (top-down approach) Borghei, Y.-S., Hosseini, M*, Ganjali, M.R., Hosseinkhani, S. 2017 **Sensors and Actuators, B: Chemical** 248, pp. 133-139

- 51- A fluorescent aptasensor for sensitive analysis oxytetracycline based on silver nanoclusters Hosseini, M*, Mehrabi, F., Ganjali, M.R., Norouzi, P. 2016
Luminescence pp. 1339-1343
- 52- A novel solid-state electrochemiluminescence sensor for detection of cytochrome c based on ceria nanoparticles decorated with reduced graphene oxide nanocomposite Pur, M.R.K., Hosseini, M*, Faridbod, F., Dezfuli, A.S., Ganjali, M.R. 2016
Analytical and Bioanalytical Chemistry 408(25), pp. 7193-7202
- 53- Rapid restriction enzyme free detection of DNA methyltransferase activity based on DNA-templated silver nanoclusters Kermani, H.A., Hosseini, M*., Dadmehr, M., Ganjali, M.R. 2016
Analytical and Bioanalytical Chemistry 408(16), pp. 4311-4318
- 54- Spectroscopic Study of CpG Alternating DNA-Methylene Blue Interaction for Methylation Detection Hosseini, M*., Khaki, F., Dadmehr, M., Ganjali, M.R. 2016
Journal of Fluorescence 26(3), pp. 1123-1129
- 55- Visual detection of cancer cells by colorimetric aptasensor based on aggregation of gold nanoparticles induced by DNA hybridization Borghei, Y.-S., Hosseini, M*., Dadmehr, M., (...), Ganjali, M.R., Sheikhnejad, R. 2016
Analytica Chimica Acta
- 56- Label free colorimetric and fluorimetric direct detection of methylated DNA based on silver nanoclusters for cancer early diagnosis Dadmehr, M., Hosseini, M*., Hosseinkhani, S., Reza Ganjali, M., Sheikhnejad, R. 2015
Biosensors and Bioelectronics 73, pp. 108-113
- 57- A Novel Label-Free microRNA-155 Detection on the Basis of Fluorescent Silver Nanoclusters Hosseini, M*., Akbari, A., Ganjali, M.R., Dadmehr, M., Rezayan, A.H. 2015
Journal of Fluorescence 25(4), pp. 925-929
- 58- Sensitive determination of carbidopa through the electrochemiluminescence of luminol at graphene-modified electrodes Hosseini, M*., Mirzanasiri, N., Rezapour, M., (...), Norouzi, P., Ganjali, M.R. 2015
Luminescence 30(4), pp. 376-381
- 59- A novel cobalt-sensitive fluorescent chemosensor based on ligand capped CdS quantum dots Faridbod, F., Jamali, A., Ganjali, M.R., Hosseini, M., Norouzi, P. 2015
Journal of Fluorescence 25(3), pp. 613-619
- 60- Selective recognition of Ni²⁺ ion based on fluorescence enhancement chemosensor Ganjali, M.R., Hosseini, M*., Motalebi, M., (...), Faridbod, F., Norouzi, P. 2015
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy 140, pp. 283-287
- 61- Enhanced solid-state electrochemiluminescence of Ru(bpy)₃²⁺ with nano-CeO₂ modified carbon paste electrode and its application in tramadol determination Hosseini, M*., Karimi Pur, M.R., Norouzi, P., (...), Ganjali, M.R., Shamsi, J. 2015
Analytical Methods 7(5), pp. 1936-1942

- 62- Turn-on fluorescent chemosensor for determination of lutetium ion Faridbod, F., Sedaghat, M., Hosseini, M., (...), Shafiee, A., Norouzi, P. 2015 **Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy** 137, pp. 1231-1234
- 63- Selective recognition of Glutamate based on fluorescence enhancement of graphene quantum dot Hosseini, M. *, Khabbaz, H., Dezfoli, A.S., Ganjali, M.R., Dadmehr, M. 2015 **Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy** 136(PC), pp. 1962-1966 6
- 64- Aptamer-based Colorimetric and Chemiluminescence Detection of Aflatoxin B1 in Foods Samples Hosseini, M*, Khabbaz, H., Dadmehr, M., Ganjali, M.R., Mohamadnejad, J. 2015 **Acta chimica Slovenica** 62(3), pp. 721-728
- 65- Fast removal of methylene blue from aqueous solution using magnetic-modified Fe₃O₄ Nanoparticles Abkenar, S.D., Khoobi, M., Tarasi, R., (...), Shafiee, A., Ganjali, M.R. 2015 **Journal of Environmental Engineering** (United States) 141(1),04014049
- 66- Selective recognition histidine and tryptophan by enhanced chemiluminescence ZnSe quantum dots Hosseini, M., Ganjali, M.R., Vaezi, Z., (...), Faridbod, F., Norouzi, P. 2015 **Sensors and Actuators, B: Chemical** 210, pp. 349-354
- 67- A novel solid-state electrochemiluminescence sensor based on a Ru(bpy)₃²⁺/nano Sm₂O₃ modified carbon paste electrode for the determination of L-proline Hosseini, M. *, Moghaddam, M.R., Faridbod, F., (...), Pur, M.R.K., Ganjali, M.R. 2015 **RSC Advances** 5(79), pp. 64669-64674
- 68- Enhanced chemiluminescence CdSe quantum dots by histidine and tryptophan Hosseini, M*, Ganjali, M.R., Jarrahi, A., (...), Mizani, F., Faridbod, F. 2014 **Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy** 132, pp. 629-633
- 69- DNA methylation detection by a novel fluorimetric nanobiosensor for early cancer diagnosis Dadmehr, M., Hosseini, M*, Hosseinkhani, S., (...), Hamedani, M., Sheikhejad, R. 2014 **Biosensors and Bioelectronics** 60, pp. 35-44
- 70- A turn-on fluorescent sensor for Zn²⁺ based on new Schiff's base derivative in aqueous media Hosseini, M*, Ghafarloo, A., Ganjali, M.R., (...), Norouzi, P., Niasari, M.S. 2014 **Sensors and Actuators, B: Chemical** 198, pp. 411-415
- 71- Holmium(III)-selective fluorimetric optode based on N,N-bis(salicylidene)-naphthylene-1,8-diamine as a neutral fluorogenic ionophore Ganjali, M.R., Hosseini, M., Karimi, A., (...), Salavati-Niasari, M., Norouzi, P. 2014 **Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy** 121, pp. 224-229
- 72- A novel mercury-sensitive fluorescent nano-chemosensor using new functionalized magnetic core-shell Fe₃O₄@SiO₂ nanoparticles Hosseini, M*, Memari, Z., Ganjali, M.R., (...), Shamsipur, M., Hajinezhad, A. 2014 **International Journal of Environmental Research** 8(4), pp. 861-870

- 73- Biosensors in endocrinology - Review article Faridbod, F., Ganjali, M.R., Larijani, B., Norouzi, P., Hosseini, M. 2014 **Iranian Journal of Public Health** 43(SUPPL. 1), pp. 94-104
- 74- Selective recognition of dysprosium(III) ions by enhanced chemiluminescence CdSe quantum dots Hosseini, M*, Ganjali, M.R., Vaezi, Z., (...), Arabsorkhi, B., Sheikhha, M.H. 2014 **Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy** 121, pp. 116-120
- 75- Selective recognition of Pr³⁺ based on fluorescence enhancement sensor Ganjali, M.R., Hosseini, M., Ghafarloo, A., (...), Shafiee, A., Norouzi, P. 2013 **Materials Science and Engineering C** 33(7), pp. 4140-4143
- 76- A novel europium-sensitive fluorescent nano-chemosensor based on new functionalized magnetic core-shell Fe₃O₄@SiO₂ nanoparticles Ganjali, M.R., Hosseini, M., Khobi, M., (...), Shafiee, A., Norouzi, P. 2013 **Talanta** 115, pp. 271-276
- 77- A selective fluorescent bulk sensor for lutetium based on hexagonal mesoporous structures Hosseini, M*, Ganjali, M.R., Aboufazeli, F., (...), Badiei, A., Norouzi, P. 2013 **Sensors and Actuators, B: Chemical** 184, pp. 93-99
- 78- A novel Lu³⁺ fluorescent nano-chemosensor using new functionalized mesoporous structures Hosseini, M*, Ganjali, M.R., Rafiei-Sarmazdeh, Z., (...), Nourozi, P., Mohammadi Ziarani, G. 2013 **Analytica Chimica Acta** 771, pp. 95-101
- 79- Potentiometric sensor for determination of clomiphene Faridbod, F., Hosseini, M., Ganjali, M.R., Norouzi, P. 2013 **International Journal of Electrochemical Science** 8(2), pp. 1976-1985
- 80- Selective recognition of acetate ion based on fluorescence enhancement chemosensor Hosseini, M., Ganjali, M.R., Veismohammadi, B., (...), Abkenar, S.D., Salavati-Niasari, M. 2012 **Luminescence** 27(5), pp. 341-345
- 81- Lanthanide recognition: A dysprosium(III) selective fluorimetric bulk optode Ganjali, M.R., Gupta, V.K., Hosseini, M*, (...), Faridbod, F., Norouzi, P. 2012 **Sensors and Actuators, B: Chemical** 171-172, pp. 644-651
- 82- Permanganate selective nano-composite electrode Faridbod, F., Ganjali, M.R., Hosseini, M., Norouzi, P. 2012 **International Journal of Electrochemical Science** 7(3), pp. 1927-1936
- 83- A novel dichromate-sensitive fluorescent nano-chemosensor using new functionalized SBA-15 Hosseini, M*, Gupta, V.K., Ganjali, M.R., (...), Badiei, A.R., Norouzi, P. 2012 **Analytica Chimica Acta**
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