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h-index (Scopus):

8

Citations (Scopus):

197

Supervised MSc Theses

#	Thesis title	By	Date
1	Investigating effective factors on Methylene blue decolorization using normal light in the presence of active catalysts of Carbon dots synthesis by histidine amino acid	Hamed Jaberi & Mohammad Hassan Mousazadeh	March 2021
2	Synthesis of carbon dots from histidine amino acid based on mesoporous silicate for new fuchsine dye removal from aqueous solutions	Zahra Entezarian & Mohammad Hassan Mousazadeh	July 2020
3	Decolorization of methylene blue using mesoporous adsorbent that modified with carbon dots	Termeh Teymoorian & Mohammad Hassan Mousazadeh	June 2020
4	oxidative desulfurization of dibenzothiophene using tungsten/zirconium modified hexagonal mesoporous silica	Behnam Kasb Parast & Mohammad Hassan Mousazadeh	February 2020
5	theoretical investigation of molecular adsorption of CO and H ₂ on NGN (n=3,...,7) Melals clusters	Mozhgan Geravand & Mohammad Hassan Mousazadeh	October 2019
6	desulfurization of dibenzothiophenes using vanadium and tungsten modified hexagonal mesoporous (vw-HMS)	Neda Jamali & Mohammad Hassan Mousazadeh	October 2019
7	investigation of effects of sodium impurities on structural properties in absorption of hydrogen in WS ₂ nano sheet	Elham Hajiramezanali & Mohammad Hassan Mousazadeh	October 2019

8	Quantum chemical computations based on DFT on organophosphores pesticides	Farzad Javaheri & Mohammad Hassan Mousazadeh	February 2019
9	Electrosynthesis lithium manganese dioxide for use in lithium ion batteries	Parisa Sadat Mortazavi & Mohammad Hassan Mousazadeh	February 2019
10	Oxidative desulfurization of dibenzothiophenes using vanadium modified hexagonal mesoporous silica	Nima Ramezani & Mohammad Hassan Mousazadeh	September 2018
11	The Effect Of Zr-incorporated Mesoporous Structure Modified With Heteropoly Tungstophosphoric Acid (HPW) in Oxidative Desulfurization Of Dibenzothiophenes	Samira Yoozbashi & Mohammad Hassan Mousazadeh	September 2018
12	the effect of the antioxidant selenium in the prevention of blood cancer children(Computational and Experimental Approaches)	Sahra Goharkhani & Mohammad Hassan Mousazadeh	February 2018
13	preparation characterization and catalytic properties of mesoporus optimized with tungstan in oxidative desulfurization process of dibenzothiophene	Mehdi Amiri Shadmehri & Mohammad Hassan Mousazadeh	September 2017
14	Fabrication and characterization of gel polymer electrolyte based on polymethacrylate (PMMA) nafion for application in lithium ion batteries ion batteries	Nasim Pourali Manjili & Mohammad Hassan Mousazadeh	February 2017
15	Synthesis of Nanosphere and Microsphere Molecularly Imprinted polymer with novel crosslinker	Seyed Javad Torabi & Mohammad Hassan Mousazadeh	October 2016
16	ROLE OF MICROBIAL CELLS IMMOBILIZED ON NATURAL SUPPORT IN REMOVAL OF MERCURY FROM THE SYNTHETIC TYPE OF INDUSTRIAL WASTE	Rosa Bashardoost & Mohammad Hassan Mousazadeh	February 2008

Journal Papers

Portal Records

- 1 Seyede Nazanin Hashemi, Mohammad Hassan Mousazadeh, "Green synthesis of photoluminescent carbon dots derived from Red Beetroot as a selective probe for Pd²⁺ detection", JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, September 2021 Vol. 421, Num. 1, Page 113534-113541, September 2021,
- 2 Seyede Nazanin Hashemi, Mohammad Hassan Mousazadeh, "Preparation of fluorescent nitrogen-doped carbon dots for highly selective on-off detection of Fe³⁺ ions in real samples", OPTICAL MATERIALS, August 2021 Vol. 121, Num. 7, Page 111515-111525, August 2021,
- 3 Elham Emami, Mohammad Hassan Mousazadeh, "Green synthesis of carbon dots for ultrasensitive detection of Cu²⁺ and oxalate with turn on-off-on pattern in aqueous medium and its application in cellular imaging", JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, July 2021 Vol. 148, Num. 2, Page 121-133, July 2021,
- 4 Neda Jamali, Nima Ramezani, Mohammad Hassan Mousazadeh, "Modified Mesoporous HMS Supported V/W for Oxidative Desulfurization of Dibenzothiophene", physical Chemistry Research, July 2021 Vol. 9, Num. 4, Page 610-627, July 2021,
- 5 Elham Emami, Mohammad Hassan Mousazadeh, "pH-responsive zwitterionic carbon dots for detection of rituximab antibody", LUMINESCENCE, March 2021 Vol. 36, Num. 4, Page 200-220, March 2021,
- 6 Termeh Teymoorian, Seyede Nazanin Hashemi, Mohammad Hassan Mousazadeh, Zahra Entezarian, "N, S doped carbon quantum dots inside mesoporous silica for effective adsorption of methylene blue dye", SN Applied Sciences, February 2021 Vol. 3, Num. 1, Page 305-325, February 2021,








- 7 Mojtaba Shamsipur, Leila Samandari, Leila Farzin, Fatemeh Molaabasi, Mohammad Hassan Mousazadeh, "Dual-modal label-free genosensor based on hemoglobin@gold nanocluster stabilized graphene nanosheets for the electrochemical detection of BCR/ABL fusion gene", *TALANTA*, April 2020 Vol. 217, Num. 4, Page 121093-121107, April 2020,
- 8 Samira Yoozbashi, Mohammad Hassan Mousazadeh, Nima Ramezani, Houssein Sid Kalal, Behroz Sabor, "Mesoporous zirconium-silica nanocomposite modified with heteropoly tungstophosphoric acid catalyst for ultra-deep oxidative desulfurization", *APPLIED ORGANOMETALLIC CHEMISTRY*, December 2019 Vol. 43, Num. 8, Page 8-21, December 2019,
- 9 Mohammad Hassan Mousazadeh, "An Improved ISM Equation of State for Polar Fluid", *physical Chemistry Research*, June 2019 Vol. 7, Num. 3, Page 467-474, June 2019,
- 10 Mohammad Hassan Mousazadeh, Sahra Goharkhani, Farid Ghazizadeh, "Level of Selenium of Children with Acute Lymphoblastic Leukemia (ALL)", *Jacobs Journal of Cancer Science and Research*, April 2019 Vol. 6, Num. 2, Page 60-65, April 2019,
- 11 Mohammad Hassan Mousazadeh, "A correlation of densities of liquid polar and nonpolar refrigerants from critical temperature", *PHYSICS AND CHEMISTRY OF LIQUIDS*, February 2019 Vol. 0, Num. 0, Page 1-11, February 2019,
- 12 Leila Farzin, Sodeh Sadgadi, Mojtaba Shamsipur, Shahab Shibani, Mohammad Hassan Mousazadeh, "Employing AgNPs doped amidoxime-modified polyacrylonitrile (PANoxime) nanofibers for target induced strand displacement-based electrochemical aptasensing of CA125 in ovarian cancer patients", *MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS*, January 2019 Vol. 97, Num. 0, Page 679-687, January 2019,
- 13 Mohammad Hassan Mousazadeh, "A Molecular-Based Equation of State for Vapour-liquid Equilibrium of Pure Substances", *physical Chemistry Research*, December 2018 Vol. 7, Num. 1, Page 95-109, December 2018,
- 14 Rakhshan Hakimelahi, Mohammad Hassan Mousazadeh, "The Synthesis of 2,3-dihydroquinazolin-4(1H)-ones Using Zinc Oxide Nanotubes Modified by SiO₂ as a Catalyst with Recyclable effect", *Oriental Journal of Chemistry*, March 2018 Vol. 34, Num. 1, Page 86-92, March 2018,
- 15 R.Hakimellahi, Mohammad Hassan Mousazadeh, "The specification of the production of three different complexes via thermodynamic investigations between vanadyl (IV) bis(acetylacetonate) and D-penicillamine at three various pHs", *International Journal of Metals*, April 2014 Vol. 1, Num. 1, Page 52-56, April 2014,

Conference Papers

Portal Records

- 1 Samira Yoozbashi, Dr.Siedkalal, Mohammad Hassan Mousazadeh, "The effect of Zr-incorporated mesoporous structure modified with Heteropoly tungstophosphoric acid (HPW) in oxidative desulfurization of dibenzothiophenes ", *The16th Iranian National Congress of Chemical Engineering*, January 2019
- 2 Neda Jamali, Mohammad Hassan Mousazadeh, "synthesis VW/HMS catalyst for Oxidative desulfurization of dibenzothiophene ", *The16th Iranian National Congress of Chemical Engineering*, January 2019
- 3 Behnam Kasb Parast, Mohammad Hassan Mousazadeh, "Oxidative desulfurization of dibenzothiophenes with Zr-W/HMS catalyst ", *The16th Iranian National Congress of Chemical Engineering*, January 2019
- 4 Nima Ramezani, Mohammad Hassan Mousazadeh, Houssein Sidkalal, Behroz Sabor, "Oxidative desulfurization of dibenzothiophenes using vanadium modified hexagonal mesoporous silica (V-HMS) ", *The16th Iranian National Congress of Chemical Engineering*, January 2019
- 5 Nasim Pourali Manjili, Laila Naji, Mohammad Hassan Mousazadeh, Zahra Fakhara, "Investigation of the effect of DMAc and DMF as plasticizers onto conductivity of PMMA based polymer electrolyte membrane ", *12th international seminar on polymer science and technology*, November 2016
- 6 Nasim Pourali Manjili, Laila Naji, Mohammad Hassan Mousazadeh, Zahra Fakhara, "The effect of polymer molecular weight on ion mobility in polymethylmetacrylate based electrolyte for lithium ion batteries ", *International Conference on Research of Chemical and Materials Engineering*, June 2016

Taught Courses

#	Course title	Description	Headlines	Date
1	STARISTICAL THERMODYNAMIC	Familiarity with the principles and concepts of statistical mechanics,		Fall 2021
2	General Chemistry (I)	Familiarity with the principles and concepts of chemistry and calculus: Introduction to atomic structure and rules, chemical and molecular connections, a variety of chemical equilibrium, kinetics and a variety of chemical reactions, thermodynamics		Fall 2021
3	Advanced Physical Chemistry	A review of the laws of thermodynamics and analysis of molecular perspective, And the study of chemical kinetics and mechanism		Fall 2021
4	General Chemistry (I)	Familiarity with the principles and concepts of chemistry and calculus: Introduction to atomic structure and rules, chemical and molecular connections, a variety of chemical equilibrium, kinetics and a variety of chemical reactions, thermodynamics		Spring 2021
5	ADVANCDD CHEMICAL KINETICS	The main objective of this course emphasizes the theoretical foundations and practical content about the speed of chemical reactions and its associated factors, intermediate and mechanics of them.		Spring 2021
6	STARISTICAL THERMODYNAMIC	Familiarity with the principles and concepts of statistical mechanics,		Fall 2020
7	Advanced Physical Chemistry	A review of the laws of thermodynamics and analysis of molecular perspective, And the study of chemical kinetics and mechanism		Fall 2020