Hossein Farsi

Associate Professor

Faculty: Science

Department: Chemistry

Education

Degree	Graduated in	Major	University
BSc	1992	Chemistry	Sistan & Baluchestan
MSc	1995	Chemistry-Physical Chemistry	Sharif University of Technology
Ph.D	2007	Physical Chemistry-Electrochemistry	Sharif University of Technology

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
University of Birjand, Department of Chemistry	Faculty member	Tenured	Full Time	26

Work Experience

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Awards

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Subjects Taught

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Executions And Scientific Activities

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Course Topics

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Competitions

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Workshops

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Conferences

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Journal Membership

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Papers in Conferences

1. حسین فرسی,سارا سلیمان زادگان,فاطمه ابراهیمی،مطالعه حلالیت چند ترکیب حلقوی درون میسل نانو اندازه ستیل تری متیل آمونیوم برماید به روش شبیه سازی دینامیک مولکولی،کنفرانس سالانه فیزیک ایران - دانشگاه بیرجند،شماره صفحات ۱۰۸۴-۱۰۸۷،بیرجند،۲۰۱۳ ۰۸ ۲۶.
2. احمد امیرابادیزاده,حسین فرسی,مرتضی محمدزاده،اثر جانشانی Ga بجای Fe در نانوفریت ZnFe۲-xGaxO۴ در بستر سلیکا،بیستمین همایش ملی بلورشناسی و کانی شناسی ایران،شماره صفحات -،اهواز،۲۰۱۳ ۰۱ ۳۰.
3. محمدرضا دشت بیاض,حمزه شاهرجبیان,حسین فرسی،تهیه و بررسی خواص مکانیکی نانوکامپوزیت اپوکسی-آلومینا،دهمین کنفرانس ملی مهندسی ساخت و تولید (ICME ۲۰۱۰)،۰۱ ۰۳ ۲۰۱۰،بابل،۱۴۳-۱۵۰ شماره صفحات.
4. (حسین فرسی,هادی عربی (انتقال،Preparation of Ni nanowire by electrodeposition method into anodic aluminium oxide template (AAO)،۰۵ ۰۹ ۲۰۰۷،کاشان،- شماره صفحات،دومین همایش دانشجویی فناوری نانو.
5. ۱،The Energetic Study of Reduction Ni-W Catalysts and HDS Reaction of thiophen on them،دومین سمینار شیمی فیزیک ایران،شماره صفحات -،اصفهان،۱۹۹۶ ۰۸ ۲۸.
6. Hossein Farsi,Alireza Farrokhi,Reza Sarhaddi,Li Zhihai ,Experimental and Theoretical Investigations of Electronic Structure, Electrochemical Properties and Antibacterial Activity of □-Ag2MoO4 ,بیستمین سمینار شیمی معدنی انجمن شیمی ایران ,pp. 0-0 ,09 03 2019 ,زاهدان.
7. Hossein Farsi,Moghiminia Shokufeh ,Manganese Vanadate/Graphene Oxide Nanocomposites as High Energy Density Supercapacitor Materials ,بیستمین سمینار شیمی معدنی انجمن شیمی ایران ,pp. - ,زاهدان 09 03 2019,.
8. Hossein Farsi ,towards the electrochemical water splitting using nanostructured strontium Hexaferrite preparad by microemulsion method ,هجدهمین کنگره شیمی ایران ,pp. - ,30 08 2015 ,سمنان.
9. Hossein Farsi ,Preparation and Magnetic Properties of Nanostructured strontium Hexaferrite using microemulsion method ,هجدهمین کنگره شیمی ایران ,pp. - ,30 08 2015 ,سمنان.
10. Hossein Farsi,Alireza Farrokhi ,The Electrochemical Behavior of Safranin O on the Surface of Glassy Carbon in the Presence and Absence of Fe 2 and Fe 3 Ions as a Probe for Photogalvanic Effect ,هجدهمین کنگره شیمی ایران ,pp. 637-637 ,30 08 2015 ,سمنان.
11. Hossein Farsi,Alireza Farrokhi ,The Electrochemical Investigation of Safranin O as a synthetic Dye Photosensitizer for nano-TiO2 ,هجدهمین کنگره شیمی ایران ,pp. 638-638 ,30 08 2015 ,سمنان.

12. Hossein Farsi ,Preparation and magnetic properties of nanostructured zinc ferrite using microemulsion method ,شانزدهمین کنفرانس شیمی فیزیک ایران, pp. 1121- ,29 10 2013, بابلسر.
13. Hossein Farsi ,Preparation and electrochemical charaterization of nanostructured SrWO4 for supercapacitor applications ,شانزدهمین کنگره شیمی ایران دانشگاه یزد, pp. - ,07 09 2013, یزد.
14. Hossein Farsi ,Fabrication and electrochemical oxygen reduction studey of platinum supported on nano-CawO4/graphite ,شانزدهمین کنگره شیمی ایران دانشگاه یزد, pp. - ,07 09 2013, یزد.
15. Hossein Farsi ,A comparative electrochemical study of nanostructured Sb2O3 and Sb2S3 ,شانزدهمین کنگره شیمی ایران دانشگاه یزد, pp. - ,07 09 2013, یزد.
16. Hossein Farsi, ,Electrochemical properties Rhodamin B on the surface of glassy carbon and nanostructured titanium dioxide ,شانزدهمین کنگره شیمی ایران دانشگاه یزد, pp. - ,07 09 2013, یزد.
17. Hossein Farsi,, ,Preparation and investigation of nanostructured zirconia ,پانزدهمین سمینار شیمی فیزیک ایران, pp. - ,03 09 2012, تهران.
18. Hossein Farsi, ,Preparation and Magnetic Properties of Nanostructured Mn0.5Zn0.5Fxe2O4 in Silica Matrix ,پانزدهمین سمینار شیمی فیزیک ایران, pp. - ,03 09 2012, تهران.
19. Hossein Farsi ,Perapration and Magnetic Properties of Nanostructured MN0.5Zn0.5Fe2O4 in Silics Matrix ,پانزدهمین سمینار شیمی فیزیک ایران, pp. 3136-3138 ,03 09 2012, تهران.
20. Hossein Farsi,Fatemeh Ebrahimi, ,The photocatalytic degradation of methylene blue on the surface of sol-gel prepared nanostructured ZnTiO3 and Zn2TiO4 ,پانزدهمین سمینار شیمی فیزیک ایران, pp. - ,تهران 03 09 2012,.
21. Hossein Farsi, ,Preparation and investigation of hydrogen storage propertiesof Pd-Ni nano-alloys for fuel cells ,پانزدهمین سمینار شیمی فیزیک ایران, pp. - ,03 09 2012, تهران.
22. Hossein Farsi, ,The effects of electrodeposition methods on the pesudocapacitive properties of nanostructured manganese oxide ,پانزدهمین سمینار شیمی فیزیک ایران, pp. - ,03 09 2012, تهران.
23. Hossein Farsi,Fatemeh Ebrahimi ,Molecular Dynamics Simulation of Some Organic Compounds Solubilization into the Nanometric Core of CTAB micelle ,پانزدهمین سمینار شیمی فیزیک ایران, pp. - ,تهران 03 09 2012,.
24. Hossein Farsi ,Preparation and electrochemical capacitive behaviors of nanostructured molybdenum oxides ,پانزدهمین سمینار شیمی فیزیک ایران, pp. - ,03 09 2012, تهران.
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28. Hossein Farsi,, ,An artificial neural network simulator for magnetic properties of nanostructured ferrites ,پانزدهمین کنگره شیمی ایران, pp. 1091-1091 ,04 09 2011, همدان.
29. Hossein Farsi ,Electrochemical studies of cobalt molybdate prepared by chemical precipitation method ,ششمین سمینار سالانه الکتروشیمی ایران, pp. 249-249 ,09 10 2010, کیش.
30. Hossein Farsi ,The effects of LiClO4 concentration on the electrochemical lithium intercalation into a nanostructured tungsten oxide ,ششمین سمینار سالانه الکتروشیمی ایران, pp. 317-317 ,09 10 2010, کیش.
31. 1 ,Electrochemical investigation of polypyrrole films prepared by potentiostatic electropolymerization ,ششمین سمینار سالانه الکتروشیمی ایران, pp. 240-240 ,09 10 2010, کیش.
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33. Hossein Farsi ,On the Capacitive Behavior of Nanoparticulate Tungsten Oxide ,دهمین کنفرانس شیمی معدنی ایران, pp. - ,14 05 2008, زاهدان.
34. Hossein Farsi ,Electrodeposition of nanostructured molybdenum oxide and its capacitive behavior ,دهمین کنفرانس شیمی معدنی ایران, pp. - ,14 05 2008, زاهدان.
35. Hossein Farsi, ,The Study of Correlation between Surface Excess Critical Micelle Concentration and Minimum Surface Tension for Some Surfactants ,چهارمین سمینار شیمی فیزیک, pp. - ,10 03 2001, کیش.

36. Hossein Farsi,Gobal Fereydoon,Mondegarian Rostam ,Investigation and Preparation of Ni-W Catalysts for HDS ,یازدهمین کنگره شیمی و مهندسی شیمی ایران, pp. - ,03 09 1996, تهران.

Papers in Journals

1. Hossein Farsi,neda barekati,Alireza Farrokhi,Garren Horvath,Zhihai Li,,Cobalt–organic framework as a Bi–functional electrocatalyst for renewable hydrogen production by electrochemical water splitting,Applications in Energy and Combustion Science,Vol. 3,No. 17,pp. 100240-100240,2024,Scopus.
2. Hossein Farsi,neda barekati,Alireza Farrokhi,Shokufeh Moghiminia,Ultrathin two-dimensional cobalt-organic framework nanosheets as an effective electrocatalyst for overall water splitting under alkaline conditions,Electrochimica Acta,Vol. 143075,No. 466,pp. 143075-143075,2023,JCR،Scopus.
3. Hossein Farsi,neda barekati,Alireza Farrokhi,Shokufeh Moghiminia,A comparison between 2D and 3D cobalt–organic framework as catalysts for electrochemical CO2 reduction,Heliyon,Vol. 4,No. 10,pp. 26281-11,2024,ISI،JCR،Scopus.
4. Hossein Farsi,Shokufeh Moghiminia,Tykhon Zubkov,Seyyedamirhossein Hosseini,Mitra Behforouz,neda barekati,Nazanin Gholamioan Moghaddam,Justine Esetes,Zhihai Li,Revealing electronic structure of nanostructured cobalt titanate via a combination of optical and electrochemical approaches toward water splitting and CO2 reduction,JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY,Vol. 9,No. 98,pp. 2257-2265,2023,JCR،Scopus.
5. Hossein Farsi,Mohammadali Poorshamsoddin motlaq,Shokufeh Moghiminia,Manganese (II)-vanadate (V)/organic hybrids as an active material for high energy density supercapacitor materials,Materials Chemistry and Physics,No. 310,pp. 128459-128459,2023,JCR،Scopus.
6. Hossein Farsi,Alireza Farrokhi,neda barekati,Li,Environmentally Benign Synthesis of Copper Benzenetricarboxylic Acid MOF as an Electrocatalyst for Overall Water Splitting and CO2 Reduction,ECS Advances,Vol. 2,No. 1,pp. 20501-20501,2022.
7. Hossein Farsi,neda barekati,Shokufeh Moghiminia,Seyyed Amirhossein Hosseini,Tykhon Zubkov,Justin Estes,Levi Dumpert,Ian lightcap,Zhihai Li,Nanostructured MnWO4 as a Bifunctional Electrocatalyst for Water Splitting,ECS Journal of Solid State Science and Technology,Vol. 8,No. 12,pp. 830071-830078,2023,ISI،JCR،Scopus.
8. Reza Sarhaddi,Hossein Farsi,Alireza Farrokhi,Zhihai Li,Elucidating the electronic structures of □-Ag2MoO4 and Ag2O nanocrystals via theoretical and experimental approaches towards electrochemical water splitting and CO2 reduction,Physical Chemistry Chemical Physics,Vol. 15,No. 23,pp. 9539-9552,2021,JCR،Scopus.
9. Hossein Farsi,Alireza Farrokhi,Effects of water content on electrochemical capacitive behavior of nanostructured Cu 3 (BTC) 2 MOF prepared in aqueous solution,Electrochimica Acta,Vol. 137616,No. 368,pp. 1-12,2021,JCR،Scopus.
10. Hossein Farsi,Nanostructured copper molybdates as promising bifunctional electrocatalysts for overall water splitting and CO2 reduction,RSC Advances,Vol. 12,No. 10,pp. 39037-39048,2020,ISI،JCR،Scopus.
11. Hossein Farsi,Shokufeh Moghiminia,Andrew Riley,Zhihai Li,The effects of electrolyte on the capacitive behavior of nanostructured molybdenum oxides,JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY,Vol. 12,No. 94,pp. 3800-3805,2019,ISI،JCR،Scopus.
12. Hossein Farsi,Shokufeh Moghiminia,Majid Raygan,Elahe Dana,Seyyedamirhossein Hosseini,Mitra Beforooz,Tykhon Zubkov,Ian V Lightcap,Zhihai Li,Nanostructured Tungstate-Derived Copper for Hydrogen Evolution Reaction and Electroreduction of CO2 in Sodium Hydroxide Solutions,Journal of Physical Chemistry C,Vol. 42,No. 123,pp. 25941-25948,2019,JCR،Scopus.
13. Hossein Farsi,Li Zhihai,Lightcap Ian V,Moghiminia Shokufeh,Peters Dennis G,Riley Andrew,Zubkov Tykhon,Nickel tungstate (NiWO 4) nanoparticles/graphene composites preparation and photoelectrochemical applications,Semiconductor Science and Technology,Vol. 33,pp. 55008-,2018,JCR،Scopus.

14. Hossein Farsi,Barzgari Zahra,Askari Seyede Zahra,Sunlight-induced photocatalytic activity of nanostructured calcium tungstate for methylene blue degradation,Research on Chemical Intermediates,Vol. 41,No. 8,pp. 5463-5474,2015,JCR،Scopus.
15. Hossein Farsi,,The Influence of Magnetic Field Direction and Amplitude in Direct Current-Field Annealing on the Magnetoimpedance of Co-Based Wires,Journal of Superconductivity and Novel Magnetism,Vol. 28,pp. 2441-2446,2015,JCR،Scopus.
16. Hossein Farsi,Chemical Synthesis of Nanostructured SrWO4 for Electrochemical Energy Storageand Conversion Applications,International Journal of Nanoscience,Vol. 13,No. 2,pp. 1450013-1450013,2014,Scopus.
17. Hossein Farsi,Fatemeh Ebrahimi,Molecular dynamics simulation of some cyclic compounds solubilization into the nanometric core of Cetyltrimethylammonium Bromide micelle,Journal of Molecular Structure,Vol. 1079,pp. 494-501,2014,JCR،Scopus.
18. Hossein Farsi,Comparative optical and electrochemical studies of nanostructured NiTiO3 and NiTiO3-TiO2 prepared by a low temperature modified Sol-Gel route,Electrochimica Acta,Vol. 132,pp. 512-523,2014,JCR،Scopus.
19. Hossein Farsi,Preparation characterization and electrochemical behaviors of Bi2O3 nanoparticles dispersed in silica matrix,Electrochimica Acta,Vol. 148,pp. 93-103,2014,JCR،Scopus.
20. Hossein Farsi,Quantum chemical studies on molecular conformations, energetic and intramolecular hydrogen bonding in ground and electronic excited state of (thioxosilyl) ethyleneselenol,Journal of Sulfur Chemistry,Vol. 2,No. 35,pp. 152-163,2014,JCR،Scopus.
21. Hossein Farsi,Synthesis characterization and electrochemical studies of nanostructured CaWO4 as platinum support for oxygen reduction reaction,Materials Research Bulletin,Vol. 59,pp. 261-266,2014,JCR،Scopus.
22. Hossein Farsi,Quantum chemical studies on molecular conformations energetic and intramolecular hydrogen bonding in ground and electronic excited state of (thioxosilyl) ethyleneselenol,Journal of Sulfur Chemistry,Vol. 35,pp. 152-163,2013,JCR،Scopus.
23. Hossein Farsi,The lithiation studies of nanostructured tungsten oxide film prepared via electrochemical precipitation,Ionics,Vol. 19,pp. 1349-1357,2013,JCR،Scopus.
24. Hossein Farsi,The electrochemical behaviors of methylene blue on the surface of nanostructured NiWO4 by coprecipitation method,JOURNAL OF SOLID STATE ELECTROCHEMISTRY,Vol. 17,pp. 2079-2086,2013,JCR،Scopus.
25. Hossein Farsi,THEORETICAL INVESTIGATION OF SUBSTITUTION EFFECT IN 3-MERCAPTO-PROPENETHIAL,Journal of Theoretical and Computational Chemistry,Vol. 12,pp. 1350045-1350078,2013,JCR،Scopus.
26. Hossein Farsi,M. Dehghani,effect of substitutions of Zn for Mn on Sized and magnetic properties of Mn-Zn ferite nanoparticles,Journal of Superconductivity and Novel Magnetism,No. 11,pp. 1259-1263,2011,JCR،Scopus.
27. 1,Theoretical study of the effects of substitution solvation and structure on the interaction between nitriles and methanol,International Journal of Quantum Chemistry,Vol. 112,pp. 1273-1284,2011,JCR،Scopus.
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29. 1,The pH effects on the capacitive behavior of nanostructured molybdenum oxide,JOURNAL OF SOLID STATE ELECTROCHEMISTRY,Vol. 14,pp. 681-686,2010,JCR،Scopus.
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31. 1,Intramolecular hydrogen bonding in 3-imino-propenylamine Theoretical investigations,International Journal of Quantum Chemistry,Vol. 109,pp. 1609-1616,2009,JCR،Scopus.
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nanoparticles,JOURNAL OF SOLID STATE ELECTROCHEMISTRY,Vol. 11,pp. 1085-1092,2007,JCR،Scopus.
33. 1,An artificial neural network simulator for supercapacitors performance,Computational Materials Science,Vol. 39,pp. 678-683,2007,JCR،Scopus.