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Education

Degree	Graduated in	Major	University
BSc	1992	Applied Chemistry	University of Isfahan
MSc	1995	Inorganic Chemistry	Isfahan University of Technology
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Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
University Of Kashan	Assistant Professor	Tenured	Full Time	

Papers in Journals

1. مریم سادات مرصعی، علی صالح آبادی، احمد اکبری، Elmuez A. Dawi، Aseel M. Aljeboree، Usama S. Altimari، مسعود صلواتی نیاسری,Ultrasound-assisted synthesis of Dy2Mo3O12-Dy2O3 nanostructures for enhanced electrochemical hydrogen storage,International Journal of Hydrogen Energy,2024 04 01,SCOPUS ,JCR.
2. معصومه حسینی et al.,CaSnO3/g-C3N4 S-scheme heterojunction photocatalyst for the elimination of erythrosine and eriochrome black T from water under visible light,Results in Engineering,2024 02 07,SCOPUS ,JCR.
3. فاطمه یوسف زاده , مژگان قنبری , Elmuez A. Dawi , مسعود صلواتی نیاسری,Eu2CuO4 nanostructures: A simple co-precipitation pathway, characterization, and promising photocatalytic application for dye removal under visible light,Solar Energy,2024 01 13,SCOPUS ,JCR.
4. فائزه قدمی et al.,Response surface methodology for optimization of operational parameters to remove tetracycline from contaminated water by new magnetic Ho2MoO6/Fe2O3 nano adsorbent,Results in Engineering,2024 01 12,SCOPUS ,JCR.
5. محمدرضا سعادتی گلوجه , مژگان قنبری , مسعود صلواتی نیاسری,Facile preparation and characterization of Zn2Ti3O8/g-C3N4 nanocomposites for degradation of rhodamine B under simulated sunlight,Solar Energy,2024 01 09,SCOPUS ,JCR.

6. مولود ولیان , Zainab Mohmmad Burhan , مسعود صلواتی نیاسری,Hydrothermal architecture of Bi0.48Tb1.52Ti2O7/polyaniline nanocomposites to improve electrochemical hydrogen storage performance,Journal of Energy Storage,2023 12 28,SCOPUS ,JCR.
7. مهین بلدی et al.,Introduction of TbFeO3/TbCoO3 as a visible-active heterojunction nanocomposite: Facile synthesis and characterization with an environment-lover approach,Results in Engineering,2023 12 21,SCOPUS ,JCR.
8. رضا محصل et al.,Introduction of Pr0.7Sr0.3MnO3/PrMn2O5/Fe3O4/GO nanocomposite as an active compound for hydrogen storage: Step by step synthesis and characterization,Journal of Energy Storage,2023 12 20,SCOPUS ,JCR.
9. Design 3D hierarchical flower-shaped NH4V4O10/N-GQDs/cellulose nanocomposites as electrode materials for supercapacitor application,Journal of Alloys and Compounds,2023 12 18,SCOPUS ,JCR.
10. مینا جمعدار et al.,Unraveling the potential of sonochemically achieved DyMnO3/Dy2O3 nanocomposites as highly efficient visible-light-driven photocatalysts in decolorization of organic contamination,Ecotoxicology and Environmental Safety,2023 12 07,SCOPUS ,JCR.
11. مینا جمعدار et al.,Synthesis of SmMnO3/Sm2O3 nanocomposites as efficient photocatalysts for organic dye degradation by sol gel pechini method,Results in Engineering,2023 12 06,SCOPUS ,JCR.
12. ErMnO3/Er2Mn2O7/ZnO/GO multi-component nanocomposite as a promising material for hydrogen storage: Facile synthesis and comprehensive investigation of component roles,Journal of Energy Storage,2023 04 04,SCOPUS ,JCR.
13. Wenya Lei, Chaofan Zhang, Rui Qiao, Mahalingam Ravivarma, Haixia Chen, Farshad Boorboor Ajdari, Masoud Salavati ,& Niasari, Jiangxuan Song,Stable Li|LAGP Interface Enabled by Confining Solvate Ionic Liquid in a Hyperbranched Polyanionic Copolymer for NASICON-Based Solid-State Batteries,ACS Applied Energy Materials,2023 04 04,SCOPUS ,JCR.
14. فاطمه برگزینی et al.,Development and performance analysis of a 316 stainless steel autoclave for facile fabrication of carbon nanoarchitectures derived from natural potato and starch,Journal of Materials Research and Technology,2023 02 06,SCOPUS ,JCR.
15. مهین بلدی et al.,Green sol–gel synthesis of hydroxyapatite nanoparticles using lemon extract as capping agent and investigation of its anticancer activity against human cancer cell lines (T98, and SHSY5),Arabian Journal of Chemistry,2023 02 01,SCOPUS ,JCR.
16. جواد ابراهیمیان et al.,Rosa Damascena mediated ZnO-Red Ochre nanocomposite for the electrochemical determination of 5-Fluorouracil,Arabian Journal of Chemistry,2023 01 25,SCOPUS ,JCR.
17. سمیرا علی نواز , مریم غیاثیان ارانی , مسعود صلواتی نیاسری,Enhanced hydrogen storage capacity of NiAl-layered double hydroxide modified with Tb3Fe5O12 nanostructures,International Journal of Hydrogen Energy,2023 01 17,SCOPUS ,JCR.
18. علی صالح آبادی et al.,Progress on nano-scaled alloys and mixed metal oxides in solid-state hydrogen storage; an overview,Journal of Energy Storage,2023 01 17,SCOPUS ,JCR.
19. پوریا مهدی زاده et al.,Rapid microwave fabrication of new nanocomposites based on Tb-Co-O nanostructures and their application as photocatalysts under UV/Visible light for removal of organic pollutants in water,Arabian Journal of Chemistry,2023 01 16,SCOPUS ,JCR.
20. مهین بلدی , مهناز امیری , مسعود صلواتی نیاسری,Green sol–gel auto-combustion synthesis, characterization and study of cytotoxicity and anticancer activity of ErFeO3/Fe3O4/rGO nanocomposite,Arabian Journal of Chemistry,2023 01 13,SCOPUS ,JCR.
21. رضا محصل et al.,Boosting H2storage capability of Er □3 manganite by adding CuO andg-C3N4in the form of a fourcomponent nanocomposite,International Journal of Hydrogen Energy,2022 12 31,SCOPUS ,JCR.
22. فروزان صمیمی , مریم غیاثیان آرانی , مسعود صلواتی نیاسری , Sarab W. Alwash,A study of relative electrochemical hydrogen storage capacity of active materials based on Zn3Mo2O9/ZnO and Zn3Mo2O9/ZnMoO4,International Journal of Hydrogen Energy,2022 12 28,SCOPUS ,JCR.
23. عاطفه کرمی et al.,Microwave synthesized erbium vanadate nanophotocatalyst: Application for enhanced degradation of contaminated water,International Journal of Hydrogen Energy,2022 12

21,SCOPUS ,JCR.
24. فرشته مشکانی,Multidisciplinary green approaches (ultrasonic, coprecipitation, hydrothermal, and microwave) for fabrication and characterization of Erbiumpromoted Ni-Al2O3 catalyst for CO2 methanation,Arabian Journal of Chemistry,2022 12 07,SCOPUS ,JCR.
25. مولود ولیان , علی صالح آبادی , مسعود صلواتی نیاسری,Enhanced electrochemical hydrogen storage performance of titanate-based nanostructures synthesized by facile auto-combustion: Li2TiO3 nanostructures versus LaTiO3 nanoperovskites,International Journal of Hydrogen Energy,2022 11 23,SCOPUS ,JCR.
26. اعظم جعفری نژاد , حدیث بشیری , مسعود صلواتی نیاسری,Sonochemical synthesis and characterization of CuInS2 nanostructures using new sulfur precursor and their application as photocatalyst for degradation of organic pollutants under simulated sunlight,Arabian Journal of Chemistry,2022 05 27,SCOPUS ,JCR.
27. Wenya Lei, Xingxing Jiao, Shugui Yang, Farshad Boorboor Ajdari, Masoud Salavati ,& Niasari, Yangyang Feng, Jianqing Yin, Goran Ungar, Jiangxuan Song,Temperature and stress-resistant solid state electrolyte for stable lithium-metal batteries,Energy Storage Materials,2022 04 10,SCOPUS ,JCR.
28. رضا محصل , مهدی شبانی نوش آبادی , مسعود صلواتی نیاسری,Effect of g-C3N4 amount on green synthesized GdFeO3/g-C3N4 nanocomposites as promising compounds for solid-state hydrogen storage,International Journal of Hydrogen Energy,2022 03 16,SCOPUS ,JCR.
29. زینب طالب زاده , Qahtan A. Yousif , مسعود صلواتی نیاسری , مریم مسجدی آرانی,Sonochemistry fabrication of Er2Sn2O7 nanoparticles with advanced photocatalytic performance of their carbonic nanocomposites,International Journal of Hydrogen Energy,2022 02 23,SCOPUS ,JCR.
30. Catechin mediated green synthesis of Au nanoparticles: Experimental and theoretical approaches to the determination HOMO-LUMO energy gap and reactivity indexes for the (+)-epicatechin (2S, 3S),Arabian Journal of Chemistry,2022 02 16,SCOPUS ,JCR.
31. سعید مشتاقی , مسعود همدانیان , مسعود صلواتی نیاسری,A simple hydrothermal route for the preparation of novel Na–Y–W nano-oxides and their application in dye degradation,RSC Advances,2022 02 08,SCOPUS ,JCR.
32. Improved pechini sol-gel fabrication of Li2B4O7/ NiO/Ni3(BO3)2 nanocomposites to advanced photocatalytic performance,Arabian Journal of Chemistry,2022 02 07,SCOPUS ,JCR.
33. مولود ولیان , مریم مسجدی آرانی , مسعود صلواتی نیاسری,Agaricus bisporus extract as an excellent biotemplate agent for the synthesis of nano-plate Dy2Ti2O7/g-C3N4 and its application in electrochemical hydrogen storage,Fuel,2022 02 04,SCOPUS ,JCR.
34. مژگان قنبری , مسعود صلواتی نیاسری , فاطمه مهندس,Nanocomposite scaffolds based on gelatin and alginate reinforced by Zn2SiO4 with enhanced mechanical and chemical properties for tissue engineering,Arabian Journal of Chemistry,2022 01 28,SCOPUS ,JCR.
35. et al.,Ca19Zn2(PO4)14 Nanoparticles: Synthesis, characterization and its effect on the colonization of Streptococcus mutans on tooth surface,Journal of Molecular Liquids,2022 01 22,SCOPUS ,JCR.
36. رزیتا منصف, &, مسعود صلواتی نیاسری,Electrochemical sensor based on a chitosan-molybdenum vanadate nanocomposite for detection of hydroxychloroquine in biological samples,Journal of Colloid and Interface Science,2022 01 10,SCOPUS ,JCR.
37. فاطمه یوسف زاده , Qahtan A. Yousif , مسعود صلواتی نیاسری , مژگان قنبری,Fabrication of TlSnI3/C3N4 nanocomposites for enhanced photodegradation of toxic contaminants below visible light and investigation of kinetic and mechanism of photocatalytic reaction,Journal of Molecular Liquids,2022 01 07,SCOPUS ,JCR.
38. Sonochemical synthesis and characterization of aluminum tungsten oxide nanoparticle and study its impact on the growth of microalga,Arabian Journal of Chemistry,2021 12 29,SCOPUS ,JCR.
39. Qahtan A. Yousif et al.,Morphology engineering of LiFeO2 nanostructures through synthesis controlling for electrochemical hydrogen storage inquiries,Fuel,2021 12 25,SCOPUS ,JCR.

40. Green fabrication of graphene quantum dots from cotton with CaSiO3 nanostructure and enhanced photocatalytic performance for water treatment,International Journal of Hydrogen Energy,2021 12 24,SCOPUS ,JCR.
41. مسعود صلواتی نیاسری , Qahtan A. Yousif , کامران مهدوی , سحر زینتلو عجب شیر,Enhanced photocatalytic degradation of toxic contaminants using Dy2O3-SiO2 ceramic nanostructured materials fabricated by a new, simple and rapid sonochemical approach,Ultrasonics Sonochemistry,2021 12 24,SCOPUS ,JCR.
42. مسعود صلواتی نیاسری &, مریم غیاثیان آرانی,Comparative study on electrochemical hydrogen storage of nanocomposites based on S or N doped graphene quantum dots and nanostructured titanium niobate,Journal of Alloys and Compounds,2021 12 22,SCOPUS ,JCR.
43. مریم مسجدی آرانی , مریم غیاثیان آرانی , مسعود صلواتی نیاسری,Synthesis and characterization of carbon sphere-supported sand-rose like N-GQDs/NiCo2S4 structures with synergetic effect for development of hydrogen storage capacity,Fuel,2021 12 21,SCOPUS ,JCR.
44. سید میلاد طباطبایی نژاد , سحر زینتلو عجب شیر , امید امیری , مسعود صلواتی نیاسری,Magnetic Lu2Cu2O5-based ceramic nanostructured materials fabricated by a simple and green approach for an effective photocatalytic degradation of organic contamination,RSC Advances,2021 12 16,SCOPUS ,JCR.
45. زینب طالب زاده , مریم مسجدی آرانی , امید امیری , مسعود صلواتی نیاسری,Green sonochemistry fabrication of pure Gd2Sn2O7 nanoparticles with advanced photocatalytic efficiency for elimination of dye pollutions,International Journal of Hydrogen Energy,2021 12 07,SCOPUS ,JCR.
46. مهین بلدی , Qahtan A. Yousif , مسعود صلواتی نیاسری , مولود ولیان,Auto-combustion synthesis of Sr2Fe2O5/Dy3Fe5O12 nanocomposite using Hordeum vulgare L extract: Preparation, structural analysis and evaluation of its photocatalytic and electrochemical behaviors,Journal of Alloys and Compounds,2021 12 02,SCOPUS ,JCR.
47. Omid Amiri, Arazw Abdalrahman, Govand Jangi, Haval Aziz Ahmed, Safin Hassan Hussein, Mohammad Joshaghani, Riyadh Zainadin Mawlood, Masoud Salavati ,& Niasari,Convert mechanical energy to chemical energy to effectively remove organic pollutants by using PTO catalyst,Separation and Purification Technology,2021 12 01,SCOPUS ,JCR.
48. Green self-assembly of CuCe2(MoO4)4/montmorillonite-K10 nanocomposites; a promising solid-state hydrogen storage profile,Fuel,2021 10 31,SCOPUS ,JCR.
49. Toxicity of Nd2WO6 nanoparticles to the microalga Dunaliella salina: synthesis of nanoparticles and investigation of their impact on microalgae,RSC Advances,2021 08 10,SCOPUS ,JCR.
50. زینب طالب زاده , مریم مسجدی آرانی , امید امیری , مسعود صلواتی نیاسری,La2Sn2O7/g-C3N4 nanocomposites: Rapid and green sonochemical fabrication and photo-degradation performance for removal of dye contaminations,Ultrasonics Sonochemistry,2021 07 24,SCOPUS ,JCR.
51. High-performance cement mortars-based composites with colloidal nano-silica: Synthesis, characterization and mechanical properties,Arabian Journal of Chemistry,2021 07 21,SCOPUS ,JCR.
52. پوریا مهدی زاده , مریم مسجدی آرانی , امید امیری , مسعود صلواتی نیاسری,Rapid microwave fabrication of new nanocomposites based on Tb-Fe-O nanostructures for electrochemical hydrogen storage application,Fuel,2021 07 14,SCOPUS ,JCR.
53. مهدی رنجه , امید امیری , مسعود صلواتی نیاسری , مهدی شبانی نوش آبادی,Preparation and study of characteristics of LiCoO2/ Fe3O4/Li2B2O4 nanocomposites as ideal active materials for electrochemical hydrogen storage,RSC Advances,2021 07 05,SCOPUS ,JCR.
54. فرشاد بشکار , مسعود صلواتی نیاسری , امید امیری,Facile One-Pot In Situ Synthesis and Characterization of a Cu2O/ Cu2(PO4)(OH) Binary Heterojunction Nanocomposite for the Efficient Photocatalytic Degradation of Ciprofloxacin from Aqueous Solution under Direct Sunlight Irradiation,Industrial & Engineering Chemistry Research,2021 06 28,SCOPUS ,JCR.
55. مژگان قنبری , مسعود صلواتی نیاسری , فاطمه مهندس,Thermosensitive alginate–gelatin–nitrogen-doped carbon dots scaffolds as potential injectable hydrogels for cartilage tissue engineering applications,RSC Advances,2021 05 21,SCOPUS ,JCR.
56. مهین بلدی , مولود ولیان , مریم غیاثیان آرانی , مسعود صلواتی نیاسری,Role of morphology in electrochemical hydrogen storage using binary DyFeO3-ZnO nanocomposites as electrode

materials,International Journal of Hydrogen Energy,2021 05 19.

57. مژگان قنبری , مسعود صلواتی نیاسری , فاطمه مهندس,Injectable hydrogels based on oxidized alginate-gelatin reinforced by carbon nitride quantum dots for tissue engineering,International Journal of Pharmaceutics,2021 04 30,SCOPUS ,JCR.

58. سحر زینتلو عجب شیر , سید علی حیدری اصیل , مسعود صلواتی نیاسری,Simple and eco-friendly synthesis of recoverable zinc cobalt oxide-based ceramic nanostructure as high-performance photocatalyst for enhanced photocatalytic removal of organic contamination under solar light,Separation and Purification Technology,2021 03 24,SCOPUS ,JCR.

59. پوریا مهدی زاده , مریم مسجدی آرانی , مسعود صلواتی نیاسری,Green solid-state fabrication of new nanocomposites based on La-Fe-O nanostructures for electrochemical hydrogen storage application,International Journal of Hydrogen Energy,2021 03 17,SCOPUS ,JCR.

60. محمد حسن پور , سید علی حسینی تفرشی , مسعود صلواتی نیاسری , مسعود همدانیان,Toxicity evaluation and preparation of CoWO4 nanoparticles towards microalga Dunaliella salina,Environmental Science and Pollution Research,2021 03 10,SCOPUS ,JCR.

61. سیده راحله یوسفی et al.,Dy2BaCuO5/Ba4DyCu3O9.09 S-scheme heterojunction nanocomposite with enhanced photocatalytic and antibacterial activities,Journal of the American Ceramic Society,2021 01 26,SCOPUS ,JCR.

62. رزیتا منصف &, مسعود صلواتی نیاسری,Hydrothermal architecture of Cu5V2O10 nanostructures as new electro-sensing catalysts for voltammetric quantification of mefenamic acid in pharmaceuticals and biological samples,Biosensors and Bioelectronics,2021 01 20,SCOPUS ,JCR.

63. رزیتا منصف , مریم غیاثیان آرانی , مسعود صلواتی نیاسری,Design of Magnetically Recyclable Ternary Fe2O3/EuVO4/g-C3N4 Nanocomposites for Photocatalytic and Electrochemical Hydrogen Storage,ACS Applied Energy Materials,2021 01 06.

64. سحر زینتلو عجب شیر , مهین بلدی , مسعود صلواتی نیاسری,Enhanced visible-light-driven photocatalytic performance for degradation of organic contaminants using PbWO4 nanostructure fabricated by a new, simple and green sonochemical approach,Ultrasonics Sonochemistry,2020 12 29,SCOPUS ,JCR.

65. حکیمه تیموری نیا , امید امیری , مسعود صلواتی نیاسری,Synthesis and characterization of cotton-silver-graphene quantum dots (cotton/Ag/GQDs) nanocomposite as a new antibacterial nanopad,Chemosphere,2020 12 11,SCOPUS ,JCR.

66. مژگان قنبری &, مسعود صلواتی نیاسری,Copper iodide decorated graphitic carbon nitride sheets with enhanced visible-light response for photocatalytic organic pollutant removal and antibacterial activities,Ecotoxicology and Environmental Safety,2020 11 28,SCOPUS ,JCR.

67. ارسلان ناصریه , طاهره غلامی , مریم غیاثیان آرانی , مسعود صلواتی نیاسری,Insight into Effects of Graphene and Zinc Oxide in Li4Ti5O12 as Anode Materials for Li-Ion Full-Cell Battery,International Journal of Hydrogen Energy,2020 08 03.

68. مریم سادات مرصعی , علی صالح آبادی , مسعود صلواتی نیاسری , احمد اکبری,Preparation, Structural Analysis, and Assessing the Impacts of Holmium and Ytterbium on Electrochemical Hydrogen Storage Property of Strontium Cerium Molybdate Nanostructures,Electrochimica Acta,2020 07 29.

69. سید علی حیدری اصیل , سحر زینتلو عجب شیر , امید امیری , مسعود صلواتی نیاسری,Amino acid assisted-synthesis and characterization of magnetically retrievable ZnCo2O4-Co3O4 nanostructures as high activity visible-light-driven photocatalyst,International Journal of Hydrogen Energy,2020 07 27.

70. مهدی رنجه , مرمی مسجدی آرانی , امید امیری , مسعود صلواتی نیاسری,Li2MnO3/LiMnBO3/MnFe2O4 Ternary Nanocomposites: Pechini Synthesis, Characterization and Photocatalytic Performance,International Journal of Hydrogen Energy,2020 07 05.

71. Toxic effects of Fe2WO6 nanoparticles towards microalga Dunaliella salina: Sonochemical synthesis nanoparticles and investigate its impact on the growth,Chemosphere,2020 06 08.

72. مختار پناهی کلاموبی , امید امیری , مسعود صلواتی نیاسری,Green hydrothermal synthesis of high quality single and few layers graphene sheets by bread waste as precursor,Journal of Materials Research and Technology,2020 06 01.

73. سحر زینتلو عجب شیر , مهین بلدی , امید امیری , مسعود صلواتی نیاسری,Sonochemical synthesis and

characterization of silver tungstate nanostructures for using as visible-light-driven photocatalyst for waste-water treatment,Separation and Purification Technology,2020 05 14.

74. Green sol-gel auto-combustion synthesis, characterization and investigation of the electrochemical hydrogen storage properties of barium cobalt oxide nanocomposites with maltose,International Journal of Hydrogen Energy,2020 05 11.

75. A Review on Current Trends in Thermal Analysis and Hyphenated Techniques in the Investigation of Physical, Mechanical and Chemical Properties of Nanomaterials,Journal of Analytical and Applied Pyrolysis,2020 05 07.

76. فرشاد بشکار , مسعود صلواتی نیاسری , امید امیری,Superhydrophobic–superoleophilic copper–graphite/styrene-butadiene-styrene based cotton filter for efficient separation of oil derivatives from aqueous mixtures,Cellulose,2020 03 27.

77. مولود ولیان , اسمای خوبی , مسعود صلواتی نیاسری,Green synthesis and characterization of DyMnO3-ZnO ceramic nanocomposites for the electrochemical ultratrace detection of atenolol,Materials Science and Engineering: C,2020 03 14.

78. Unveiling the synthesis of CuCe2(MoO4)4 nanostructures and its physico-chemical properties on electrochemical hydrogen storage,Journal of Alloys and Compounds,2020 01 30,SCOPUS ,JCR.

79. مریم غیاثیان آرانی , مسعود صلواتی , ابوالفضل فتح الهی زنوز,Effect of Operational Synthesis Parameters on the Morphology and the Electrochemical Properties of 3D Hierarchical AlV3O9 Architectures for Li-Ion Batteries,Journal of The Electrochemical Society,2020 01 30,SCOPUS ,JCR.

80. یاسین عروجی , مژگان قنبری , امید امیری , مسعود صلواتی,Facile fabrication of silver iodide/graphitic carbon nitride nanocomposites by notable photo-catalytic performance through sunlight and antimicrobial activity,Journal of Hazardous Materials,2020 01 16,SCOPUS ,JCR.

81. فاطمه انصاری et al.,Magnetite as Inorganic Hole Transport Material for Lead Halide Perovskite-Based Solar Cells with Enhanced Stability,Industrial & Engineering Chemistry Research,2020 01 03,SCOPUS ,JCR.

82. حسین سفردوست هوجقان et al.,Performance improvement of dye sensitized solar cells based on cadmium sulfide/S, N co doped carbon dots nanocomposites,Journal of Molecular Liquids,2019 12 27,SCOPUS ,JCR.

83. بهنام بهنیا , علی عالی انوری , حسین سفردوست هوجقان , مسعود صلواتی,Positive effects of novel nano-zirconia on flexural and compressive strength of Portland cement paste,Polyhedron,2019 12 18,SCOPUS ,JCR.

84. مسعود صلواتی &, مریم غیاثیان آرانی,Strategic design and electrochemical behaviors of Li-ion battery cathode nanocomposite materials based on AlV3O9 with carbon nanostructures,Composites Part B,2019 12 18,SCOPUS ,JCR.

85. مسعود صلواتی &, مریم غیاثیان آرانی,New Nanocomposites Based on Li–Fe–Mn Double Spinel and Carbon Self-Doped Graphitic Carbon Nitrides with Synergistic Effect for Electrochemical Hydrogen Storage Application,Industrial and Engineering Chemistry Research,2019 12 10,SCOPUS ,JCR.

86. سحر زینتلو عجب شیر , مریم سادات مرصعی , امید امیری , مسعود صلواتی,Green synthesis of dysprosium stannate nanoparticles using Ficus carica extract as photocatalyst for the degradation of organic pollutants under visible irradiation,Ceramics International,2019 11 09,SCOPUS ,JCR.

87. مریم مسجدی آرانی , مریم غیاثیان آرانی , امید امیری , مسعود صلواتی,CdSnO3-graphene nanocomposites: Ultrasonic synthesis using glucose as capping agent and characterization for electrochemical hydrogen storage,Ultrasonics Sonochemistry,2019 10 24,SCOPUS ,JCR.

88. BaMnO3 nanostructures: Simple ultrasonic fabrication and novel catalytic agent toward oxygen evolution of water splitting reaction,Ultrasonics Sonochemistry,2019 10 12,SCOPUS ,JCR.

89. رزیتا منصف , مریم غیاثیان آرانی , امید امیری , مسعود صلواتی,Sonochemical synthesis, characterization and application of PrVO4 nanostructures as an effective photocatalyst for discoloration of organic dye contaminants in wastewater,Ultrasonics Sonochemistry,2019 10 09,SCOPUS ,JCR.

90. شهلا احمدیان فرد فینی , داوود قنبری , امید امیری , مسعود صلواتی,Electro-spinning of cellulose acetate nanofibers/Fe/carbon dot as photoluminescence sensor for mercury (II) and lead (II)

ions,Carbohydrate Polymers,2019 10 03,SCOPUS ,JCR.

91. سحر زینتلو عجب شیر , ناصر قاسمیان , مسعود صلواتی,Green synthesis of Ln2Zr2O7 (Ln = Nd, Pr) ceramic nanostructures using extract of green tea via a facile route and their efficient application on propane-selective catalytic reduction of NOx process,Ceramics International,2019 08 26,SCOPUS ,JCR.

92. Sonochemical-assisted route for synthesis of spherical shaped holmium vanadate nanocatalyst for polluted waste water treatment,Ultrasonics Sonochemistry,2019 07 13,SCOPUS ,JCR.

93. مهناز امیری , خلیل اسکندری , مسعود صلواتی,Magnetically retrievable ferrite nanoparticles in the catalysis application,Advances in Colloid and Interface Science,2019 07 10,SCOPUS ,JCR.

94. سحر زینتلو عجب شیر , زهرا صالحی , امید امیری , مسعود صلواتی,Green synthesis, characterization and investigation of the electrochemical hydrogen storage properties of Dy2Ce2O7 nanostructures with fig extract,International Journal of Hydrogen Energy,2019 06 10,SCOPUS ,JCR.

95. سحر زینتلو عجب شیر ,& مسعود صلواتی,Preparation of magnetically retrievable CoFe2O4@SiO2@Dy2Ce2O7 nanocomposites as novel photocatalyst for highly efficient degradation of organic contaminants,Composites Part B,2019 06 01,SCOPUS ,JCR.

96. سیده راحله یوسفی , امید امیری , مسعود صلواتی,Control sonochemical parameter to prepare pure Zn0.35Fe2.65O4 nanostructures and study their photocatalytic activity,Ultrasonics Sonochemistry,2019 05 29,SCOPUS ,JCR.

97. مهین بلدی , فائزه صوفیوند , مولود ولیان , مسعود صلواتی,Sonochemical-assisted synthesis of pure Dy2ZnMnO6 nanoparticles as a novel double perovskite and study of photocatalytic performance for wastewater treatment,Ultrasonics - Sonochemistry,2019 05 20,SCOPUS ,JCR.

98. حکیمه تیموری نیا , مسعود صلواتی , امید امیری,Simple synthesis of Cu2O/GQDs nanocomposite with different morphologies fabricated by tuning the synthesis parameters as novel antibacterial material,Composites Part B,2019 05 08,SCOPUS ,JCR.

99. مهدی رنجه , فرشاد بشکار , مسعود صلواتی,Sol-gel synthesis of novel Li-based boron oxides nanocomposite for photodegradation of azo-dye pollutant under UV light irradiation,Composites Part B,2019 05 06,SCOPUS ,JCR.

100. اسمائ خوبی ,& مسعود صلواتی,High performance of electrocatalytic oxidation in direct glucose fuel cell using molybdate nanostructures synthesized by microwave-assisted method,Energy,2019 04 25,SCOPUS ,JCR.

101. سحر زینتلو عجب شیر , زهرا صالحی , امید امیری , مسعود صلواتی,Simple fabrication of Pr2Ce2O7 nanostructures via a new and ecofriendly route; a potential electrochemical hydrogen storage material,Journal of Alloys and Compounds,2019 04 02,SCOPUS ,JCR.

102. سحر زینتلو عجب شیر , مریم سادات مرصعی , مسعود صلواتی,Simple approach for the synthesis of Dy2Sn2O7 nanostructures as a hydrogen storage material from banana juice,Journal of Cleaner Production,2019 03 05,SCOPUS ,JCR.

103. مژگان گودرزی , مسعود صلواتی , فاطمه یزدیان , مهناز امیری,Sonochemical assisted thermal decomposition method for green synthesis of CuCo2O4/CuO ceramic nanocomposite using Dactylopius Coccus for anti-tumor investigations,Journal of Alloys and Compounds,2019 02 25,SCOPUS ,JCR.