



Shohre Rouhani

Associate Professor

Faculty: Dyes and Pigments Faculty

Department: Department of Organic Colorants

Papers in Journals

1. M. R. Ganjali, Highly Selective and Sensitive Copper(II) Membrane Coated Graphite Electrode Based on a Recently Synthesized Schiff's Base, *Analytica Chimica Acta*, 2001.
2. نرگس یوسفی لیمائی و شهره روحانی، مروری بر کاربرد پلیمرهای چاپگر مولکولی در شناسایی آلاینده‌ها: مطالعه موردی تهیه حسگرهای نوری، نشریه علمی ترویجی مطالعات در دنیای رنگ، ۱۳۹۹.
3. مژگان مهدیانی، شهره روحانی، پیام زاهدی، مروری بر کاربرد مواد رنگزا در حسگرهای فلورسنتی تشخیص ساکارید، نشریه علمی ترویجی مطالعات در دنیای رنگ، ۱۳۹۹.
4. مژگان حسین نژاد و شهره روحانی، مروری بر آخرین تحقیقات درباره سنتز مواد رنگزای فلورسنت با استفاده از روش ماکروویو، نشریه علمی ترویجی مطالعات در دنیای رنگ، ۱۳۹۸.
5. شهره روحانی و اعظم پیرکرمی، مروری بر روش‌های تجزیه‌ای مواد رنگزای آزو در صنعت مواد خوراکی، نشریه علمی ترویجی مطالعات در دنیای رنگ، ۱۳۹۶.
6. شهره روحانی و مژگان حسین نژاد، الکترولیت‌ها در سلول‌های خورشیدی حساس شده به ماده رنگزا بخش دوم: الکترولیت‌های جامد، نشریه علمی ترویجی مطالعات در دنیای رنگ، ۱۳۹۶.
7. شهره روحانی و مژگان حسین نژاد، الکترولیت‌ها در سلول‌های خورشیدی حساس شده به ماده رنگزا بخش اول: الکترولیت‌های مایع، نشریه علمی ترویجی مطالعات در دنیای رنگ، ۱۳۹۶.
8. وحیده یکه فلاح، آتشفشان سلیمانی گرگانی، شهره روحانی، مروری بر مواد الکتروکرومیک و کاربردهای آن، نشریه علمی ترویجی مطالعات در دنیای رنگ، ۱۳۹۲.
9. شهره روحانی و زهرا بهرامی نیا، مروری بر مواد هوشمند ترموکروم و کاربردهای آن، نشریه علمی ترویجی مطالعات در دنیای رنگ، ۱۳۹۲.
10. S. Rouhani – M. Hosseinezhad – N. Sohrab – K. Gharanjig – A. Salem – Z. Ranjbar., Investigation of the Effect of rGO/TiO₂ on Photovoltaic Performance of DSSCs Devices, *Progress in Color, Colorants and Coatings*, 2022.
11. M. Gharagozlou – S. Rouhani, A New reusable mercury-sensitive turn-on nano-chemosensor based on functionalized CoFe₂O₄@ SiO₂ magnetic nanocomposite, *Progress in Color, Colorants and Coatings*, 2022.
12. M. Hosseinezhad – K. Gharanjig – S. Adeel – S. Rouhani – H. Imani – N. Razani, The effect of ultrasound on environmentally extraction and dyeing of wool yarns, *Journal of Engineered Fibers and Fabrics*, 2022.
13. S. Adeel – MU. Hasan – F. Batool – M. Ozomay – M. Hosseinezhad – N. Amin – M. Hussaan, Eco-friendly bio-dyeing of bio-treated nylon fabric using Esfand (P. harmala) based yellow natural colorant, *Journal of Engineered Fibers and Fabrics*, 2022.
14. M. Hosseinezhad – K. Gharanjig – S. Rouhani – N. Razani – H. Imani, Environmentally friendly dyeing of wool yarns using of combination of bio-mordants and natural dyes, *Environmental Progress & Sustainable Energy*, 2022.

15. S. Seraj ,& S. Rouhani – Z. Ranjbar – S. L. Esfahani,Fructose recognition using novel solid-state electro-optical nanosensor based on boronate-tagged fluorophore modified graphene oxide,Materials Chemistry and Physics,2021.
16. S. Ashish , D. K. Kohli – R. Singh – S. Bhartiya , M. K. Singh , A. K. Karnal,Incorporation of Graphitic Porous Carbon for Synthesis of Composite Carbon Aerogel with Enhanced Electrochemical Performance,Journal of Electrochemical Science and Technology,2021.
17. S.seraj ,& S. Rouhani,Synthesis and fluorescence quenching mechanism of novel naphthalimide derivative by nanographene oxide,Chemical Physics Letters,2021.
18. Taherian, A. , N. Esfandiari , S. Rouhani,Breast cancer drug delivery by novel drug-loaded chitosan-coated magnetic nanoparticles,Cancer Nanotechnology,2021.
19. Nargess Yousefi Limaee , Shohre Rouhani , Mohammad Ebrahim Olya , Farhood Najafi,Selective Recognition of Herbicides in Water Using a Fluorescent Molecularly Imprinted Polymer Sensor,Journal of Fluorescence,2020.
20. Effect of stimuli-responsive polydiacetylene on the crystallization and mechanical properties of PVDF nanofibers,Polymer bulletin,2020.
21. H. Bahman et al.,Optimization of Dye Extraction from Madder by Response Surface Methodology and Study of Dyeing Properties,Journal of Color Science and Technology,2020.
22. Mojgan Mahdiani , Shohre Rouhani , Payam Zahedi,A Review on Fluorescence Sensors Based on Boronic Acids for Saccharides Detection,Journal of Studies in Color World,2020.
23. S. Lajevardi Esfahani , S. Rouhani , Z. Ranjbar,Layer-by-Layer Assembly of Electroactive Dye/LDHs Nanoplatelet Matrix Film for Advanced Dual Electro-optical Sensing Applications,Nanoscale Research Letters,2020.
24. Mozghan Hosseinnezhad ,& Shohreh Rouhani,Review of Recent Research into Synthesis of Fluorescent Dyes Using Microwave Method,Journal of Studies in Color World,2019.
25. NY Limaee , S Rouhani , ME Olya , F Najafi,Selective 2, 4-dichlorophenoxyacetic acid optosensor employing a polyethersulfone nanofiber-coated fluorescent molecularly imprinted polymer,Polymer,2019.
26. H Bahman , K Gharanjig , S Rouhani,Environmentally friendly dye for dye-sensitized solar cells from roots and stems of Berberis vulgaris,International Journal of Environmental Science and Technology,2019.
27. SL Esfahani , S Rouhani , Z Ranjbar,Electrochemical solid-state nanosensor based on a dual amplification strategy for sensitive detection of (FeIII-dopamine),Electrochimica Acta,2019.
28. S Seraj , S Rouhani , F Faridbod,Naphthalimide-based optical turn-on sensor for monosaccharide recognition using boronic acid receptor,RSC Advances,2019.
29. Investigation the effect of substrate photo-electrode based on screen method on performance of dye-sensitized solar cells,Progress in Color, Colorants and Coatings,2018.
30. N. Moazeni , A. A. Merati , M. Latifi , M. Sadrjehani S. and Rouhani,Fabrication and characterization of polydiacetylene supramolecules in electrospun polyvinylidene fluoride nanofibers with dual colorimetric and piezoelectric responses,Polymer,2018.
31. M. Taghizadeh Mazandarani , Z.Ranjbar , Sh. Rouhani , M. Ranjbar,Effect of Current Density on the Absorption of Semiconducting Dye Using Electrodeposition Technique for DSSC Application,Journal of Color Science and Technology,2018.
32. M. Hosseinnezhada , , S. Rouhani , K. Gharanjig,Extraction and application of natural pigments for fabrication of green dye-sensitized solar cells,Opto-Electronics Review,2018.
33. S. Seraj ,& S. Rouhani,Fluorescence Quenching as an Efficient Tool for Sensing Application: Study on the Fluorescence Quenching of Naphthalimide Dye by Graphene Oxide,International Journal of Chemical and Molecular Engineering,2018.
34. M Hosseinnezhad , S Rouhani , K Gharanjig,Extraction and application of natural pigments for fabrication of green dye-sensitized solar cells,Opto-Electronics Review,2018.
35. S Seraj , S Rouhani , F Faridbod,Fructose recognition using new "Off-On" fluorescent chemical

- probes based on boronate-tagged 1, 8-naphthalimide, *New Journal of Chemistry*, 2018.
36. Shohre Rouhani, & Azam Pirkarimi, A Review on Analytical Procedures Azo Dyes in the Food Industry, *Journal of Studies in Color World*, 2018.
 37. Mozghan Hosseinezhad, & Shohreh Rouhani, An Overview on Polymer Electrolytes for Dye-sensitized Solar Cells, *Basparesh*, 2018.
 38. Shohre Rouhani, & Mozghan Hosseinezhad, Electrolyte in Dye-Sensitized Solar Cells Part B: Solid Electrolytes, *Journal of Studies in Color World*, 2017.
 39. S. Rouhani, & M. Mahdiani and P. Rouhani, Dual sensing of Hg²⁺ in water by a new naked-eye rhodamine base optical probe, *Desalination and Water Treatment*, 2017.
 40. S. L. Esfahani – S. Rouhani and Z. Ranjbar, Optimization the electrophoretic deposition fabrication of graphene-based electrode to consider electro-optical applications, *Surfaces and Interfaces*, 2017.
 41. M. Hosseinezhad and S. Rouhani, Synthesis and application of new fluorescent dyes in dye-sensitized solar cells, *Applied Physics A*, 2017.
 42. N. Moazeni – M. Latifi, & A. A. Merati and S. Rouhani, Crystal polymorphism in polydiacetylene-embedded electrospun polyvinylidene fluoride nanofibers *Soft Matter*, *Applied Physics A*, 2017.
 43. Sanaz Seraj, & Shohre Rouhani, A Fluorescence Quenching Study of Naphthalimide Dye by Graphene: Mechanism and Thermodynamic Properties, *Journal of Fluorescence*, 2017.
 44. S Rouhani, & M Pishvaei, Photo-Physical Behavior and Fluorescence of Thermo Switchable Nanocomposite Based on Methyl Methacrylate-Spirobenzopyran, *Journal of Fluorescence*, 2017.
 45. Shohre Rouhani, & Mozghan Hosseinezhad, Electrolyte in Dye-Sensitized Solar Cells Part A: Liquid Electrolytes, *Journal of Studies in Color World*, 2017.
 46. A time-insensitive colorimetric sensor for the determination of total protein, *RSC Advances*, 2016.
 47. Shohre Rouhani and Maryam Ataefard, Producing Food Packaging Printing Ink via Green Emulsion Aggregation Method, *Journal of Applied Packaging Research*, 2016.
 48. Removal of Reactive Red195 Synthetic Textile Dye using Polypyrrole-coated Magnetic Nanoparticles as an Efficient Adsorbent, *Journal of Applied Chemical Research*, 2016.
 49. Characterization of the interaction between a new merocyanine dye and bovine serum albumin, *Journal of the Iranian Chemical Society*, 2016.
 50. S Esmaeili et al., Degradation products of the artificial azo dye, Allura red, inhibit esterase activity of carbonic anhydrase II: A basic in vitro study on the food safety of the colorant in terms of enzyme inhibition, *Food Chemistry*, 2016.
 51. M. Hosseinezhad And S. Rouhan, Characteristics of nanostructure dye-sensitized solar cells using food dyes, *Opto-Electronics Review*, 2016.
 52. S. Rouhani, & S. Haghgoo, A novel fluorescence nanosensor based on 1, 8-naphthalimide-thiophene doped silica nanoparticles, and its application to the determination of methamphetamine, *Sensors and Actuators B*, 2015.
 53. Polypyrrole-coated magnetic nanoparticles as an efficient adsorbent for RB19 synthetic textile dye: Removal and kinetic study, *Spectrochimica Acta, Part A*, 2015.
 54. M. Hosseinezhad and S. Rouhani, Application of Azo Dye as Sensitizer in Dye-Sensitized Solar Cells, *Progress in Color, Colorants and Coatings*, 2015.
 55. Shohre Rouhani, Kamaladin Gharanjig, Mozghan Hosseinezhad, Facile synthesis of 4-nitro-N-substituted-1,8-naphthalimide derivatives using ultrasound in aqueous media, *Green Chemistry Letters and Reviews*, 2014.
 56. Malihe Pishvaei, Shohre Rouhani, Shirin Madadi Polym, Synthesis of a Fluorescent Nanocomposite of Methacrylate Polymer via Miniemulsion Polymerization, *Polymer bulletin*, 2014.
 57. Shohre Rouhani, & Fatemeh Nahavandifard, Molecular imprinting-based fluorescent optosensor using a polymerizable 1,8-naphthalimide dye as a fluorescence functional monomer, *Sensors and Actuators B*, 2014.
 58. Functionalization and dispersion of graphene nano plates in resins, *Advanced Materials and New Coatings*, 2013.

59. B. Ghorbanzadeh¹ , K. Gharanjig , S. Rouhani , A.Khosravi,Synthesis and Dyeing Properties of an Acid Blue Dye Derived from Naphthalimide on Polyamide Fibers,Journal of Computer Science and Technology,2013.
60. Shohre Rouhani ,& Zahra Bahraminia,Review on smart thermochromics and their application,Journal of Studies in Color World,2013.
61. P. Alaei , Sh. Rouhani , K. Gharanjig,Prog,A Dual Colorimetric and Fluorometric Anion Sensor Based on Polymerizable 1, 8-Naphthalimide Dye,Color, Colorants and Coatings Journal,2013.
62. Review of electrochromic material applications,Journal of Studies in Color World,2013.
63. N. Shahabadi ,& M. Maghsudi and S. Rouhani,Study on the interaction of food colourant quinoline yellow with bovine serum albumin by spectroscopic techniques,Food Chemistry,2012.
64. S. rouhani,A novel optical pH sensor for high acidic regions based on 1,3-bisdicyanovinylindane Chemical Sensors,On progress,2012.
65. P. Alaiee and S. Rohani,Synthesis of a novel dye based N-allylnaphthalimide and investigation on its optical properties as fluorescent sensor and fluoride ion colorimetry,Journal of Advanced Materials and Novel Coatings,2012.
66. Hanieh Shaki , Kamaladin Gharanjig , Shohre Rouhani , Alireza Khosravi and Javad Fakhar,Synthesis and application of some novel antimicrobial monoazo naphthalimidedyes: synthesis and characterization,Coloration Technology,2012.
67. Shohre Rouhani,One-pot Synthesis of New Benzofurane-Chatecholamine Derivatives by Electrochemical Method,Analytical and Bioanalytical Chemistry,2012.
68. Parvaneh Alaei , Shohre Rouhani , Kamaladin Gharanjig , Jahanbakhsh Ghasemi,A New Polymerizable Fluorescent PET Chemosensor of Fluoride (F⁻) Based on Naphtalimide-Thioureadye,Spectrochimica Acta, Part A,2012.
69. Parvaneh Alaei , ShohrehRouhani , Kamaladin Gharanjig,Studing the photophysical properties of 4-(2-aminoethylene) amino- N- allyl-1,8-naphthalimide and its copolymerwith with methylmethacrylate as fluorescent pH sensors,Journal of Color Science and Technology,2011.
70. Naader Alizadeh , Shohre Rouhan , Hashem Zarabadi , Hedyat Haddadi,Extraction and Purification of Betacyanin Food Colorant from Amaranthus Plant,Journal of Color Science and Technology,2011.
71. Parvaneh Rouhani , Nima Taghavinia , Shohre Rouhani,Rapid growth of hydroxyapatite nanoparticles using ultrasonic irradiation,Ultrasonics Sonochemistry,2010.
72. H. Shaki , K. Gharanjig , S. Rouhani , A. Khosravi,Synthesis and photophysical properties of some novel fluorescent dyes based on naphthalimide derivatives,Journal of Photochemistry and Photobiology,2010.
73. ShohreRouhani,A Novel Electrochemical Sensor for Sunset Yellow based on a Platinum Wire Coated Electrode,Analytical Letters,2009.
74. ShohreRouhani ,& Tahere Hajighasemi,Novel Potentiometric Sensors for the Determination of Cochineal Red A and its Application to Food Analysis,Analytical and Bioanalytical ElectroChemistry,2009.
75. L. N. Alizadeh , Sh. Salimi , T. Haji , Ghasemi,Ultrasonic Assisted Extraction of Natural Pigments from Rhizomes ofCurcuma Longa,Progress in Color, Colorants and Coatings,2009.
76. Ghasem S. Rahimneja , S. Rahman Setayesh , S. Rohani , M.R. Gholami,Transition metal ions effect on the properties and photocatalytic activity of nanocrystalline TiO₂ prepared in an ionic liquid,Journal of Hazardous Materials,2009.
77. Solvatochromism and temperature effects on the electronic absorption spectra of some azo dyes,Spectrochimica Acta, Part A,2009.
78. S. Rouhani , T. Haji , ghasemi,Novel PVC-Based Coated Graphite Electrode for Selective Determination of Quinoline Yellow-o,Iranian Chemical Society,2009.
79. MojtabaShamsipur , BozorgmehrMaddah , BahramHemmateenejad , ShohrehRouhani and KamaladinHaghbeen,Multiwavelength spectrophotometric determination of acidity constants of some azo dyes,Spectrochimica Acta, Part A,2008.

80. MokhtarArami , HajirBahrami , BarahmanMovassagh , Niyaz Mohammad Mahmoodi and ShohreRouhani,Synthesis, spectral properties and application of novel monoazo disperse dyes derived from N-ester-1,8-naphthalimide to polyester.KamaladinGharanjig,Dyes and Pigments,2008.
81. NaaderAlizadeh , Mohsen Babaei , Mohammad Aghamohammadi and ShohreRouhani,Electrosynthesis of dixanthylene photochromic dye, characterization and ab initio calculations,Dyes and Pigments,2008.
82. S. Rouhani ,& S. Salimi,Optical pH Sensor Based on Quinizarin for Alkaline pH Regions,Progress in Color, Colorants and Coatings,2008.
83. ShohreRouhani , ShabnamSalimi , KamahldinHaghbeen,Development of optical pH sensors based on derivatives of hydroxyazobenzene, and the extended linear dynamic range using mixture of dyes,Dyes and Pigments,2008.
84. Mohammad Hojjati , YadollahYamini , MostafaKhajeh , ShohreRouhani and KamaladinGharanjig,Measurement and Correlation of Solubilities of Some Disperse Azo Dyes inSupercritical Carbon Dioxide,Chemical & Engineering Data,2008.
85. M. Arami , H. Bahrami , B. Movassagh , N.M. mahmoodi and S. Rouhani,Synthesis and application of novel monoazo disperse dyes based on N-ester-1,8naphthalimide on polyester,Amirkabir,2007.
86. Synthesis and Characterization of Novel Monoazo N-ester-1,8-naphthalimide Disperse Dyestuffs,Journal of the Chinese Chemical Society,2007.
87. M. Shamsipur , S. Rouhani , A. Mohajeri , M.R. Ganjali and T. Poursaberi,Silver Selective PVC-Membrane Sensors With and Without Graphite Based on C- methylcalix[4]resorcareneocta methyl Ester,Chem. Anal. (Warsaw),2003.
88. M. Shamsipur , S. Rouhani , A. Mohajeri and M. R. Ganjali,PVC membran ion-selective bulk optode for Ag⁺ion based on Hexathia-18-crown-6 and 1,2-Benzo-3-octadecanoylimino-7-diethylaminophenoxazine,Analytical and Bioanalytical Chemistry,2003.
89. Cobalt(II)-Selective Coated Graphite Membrane Electrode Based on a Recently Synthesized Dibenzopyridino-Substituted MacrocyclicDiamide,Electroanalysis,2002.
90. T. Poursaberi et al.,A Selective Membrane Electrode for Thiocyanate Ion Based on a Copper-1,8-Dimethyl-1,3,6,8,10,13-hexaazayclotetradecane Complex as Ionophore,Analytical Letters,2001.
91. T. Poursaberi et al.,The Synthesis of a New Thiophen-Derivative Schiff's Base and Its Use in Preparation of Copper-Ion Selective Electrodes,Electroanalysis,2001.
92. Cobalt(II)-Selective Membrane Electrode Based on a Recently Synthesized Benzo-Substituted MacrocyclicDiamide,Analytical Sciences,2001.
93. A Bromide Ion-Selective Polymeric Membrane Electrode Based on a Benozo-Derivative Xanthenium Bromide Salt,Analytical Chemistry,2000.
94. M. Shamsipur , S. Rouhani , H. Sharghi , M. R. Ganjali and H. Eshghi,Strontium-Selective Membrane Electrodes Based on Some Recently Synthesized Benzo-Substituted MacrocyclicDiamides,Analytical Chemistry,1999.
95. M. Shamsipur , S. Rouhani , M. R. Ganjali , H. Eshghi and H. Sharghi,Copper(II)-Selective Membrane Electrode Based on a Recently Synthesized MacrocyclicDiamide,Microchemical Journal,1999.
96. M. Shamsipur , S. Rouhani , M. R. Ganjali , H. Sharghi and H. Eshghi,Zinc-Selective Membrane Potentiometric Sensor Based on a Recently Synthesized Benzo- Substituted MacrocyclicDiamide,Sensors and Actuators B,1999.
97. S. Rouhani , R. Rezaei , H. Sharghi , M. Shamsipur and G. Rounagh,Spectrophotometric Determination of Acidity Constants of Some Anthraquinone Derivatives in Binary Methanol-Water Mixtures,Microchemical Journal,1995.