

Timur Burganov

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Crystal Growth, Dynamic and Charge Transfer Properties of New Coronene Charge Transfer Complexes. <i>Crystal Growth and Design</i> , 2016, 16, 331-338. | 3.0 | 45 |
| 2 | Zn and Co redox active coordination polymers as efficient electrocatalysts. <i>Dalton Transactions</i> , 2019, 48, 3601-3609. | 3.3 | 41 |
| 3 | Is There a Simple Way to Reliable Simulations of Infrared Spectra of Organic Compounds?. <i>Journal of Physical Chemistry A</i> , 2013, 117, 6664-6670. | 2.5 | 33 |
| 4 | Iron-catalyzed electrochemical C-H perfluoroalkylation of arenes. <i>Dalton Transactions</i> , 2015, 44, 19674-19681. | 3.3 | 31 |
| 5 | Conjugation in and Optical Properties of 1-R-1,2-Diphospholes and 1-R-Phospholes. <i>Journal of Physical Chemistry A</i> , 2014, 118, 12168-12177. | 2.5 | 30 |
| 6 | Composite materials containing chromophores with 3,7-(di)vinylquinoxalinone π -electron bridge doped into PMMA: Atomistic modeling and measurements of quadratic nonlinear optical activity. <i>Dyes and Pigments</i> , 2018, 158, 131-141. | 3.7 | 29 |
| 7 | High thermally stable π -A chromophores with quinoxaline moieties in the conjugated bridge: Synthesis, DFT calculations and physical properties. <i>Dyes and Pigments</i> , 2018, 156, 175-184. | 3.7 | 27 |
| 8 | Application of Time-Dependent Density Functional Theory and Optical Spectroscopy toward the Rational Design of Novel 3,4,5-Triaryl-1-R-1,2-diphospholes. <i>Journal of Physical Chemistry A</i> , 2013, 117, 6827-6834. | 2.5 | 24 |
| 9 | Push-pull isomeric chromophores with vinyl- and divinylquinoxaline-2-one units as π -electron bridge: Synthesis, photophysical, thermal and electro-chemical properties. <i>Dyes and Pigments</i> , 2017, 146, 82-91. | 3.7 | 23 |
| 10 | Novel amphiphilic conjugates of p-tert-butylthiacalix[4]arene with 10,12-pentacosadiynoic acid in 1,3-alternate stereoisomeric form. Synthesis and chromatic properties in the presence of metal ions. <i>New Journal of Chemistry</i> , 2018, 42, 2942-2951. | 2.8 | 22 |
| 11 | Large nonlinear optical activity of chromophores with divinylquinoxaline conjugated π -bridge. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 370, 58-66. | 3.9 | 22 |
| 12 | Novel quinoxalinone-based push-pull chromophores with highly sensitive emission and absorption properties towards small structural modifications. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 21515-21527. | 2.8 | 21 |
| 13 | Isomeric indolizine-based π -expanded push-pull NLO-chromophores: Synthesis and comparative study. <i>Journal of Molecular Structure</i> , 2018, 1156, 74-82. | 3.6 | 16 |
| 14 | One-pot synthesis of aryl-substituted 1,2,3-triphospholide anions. <i>Journal of Organometallic Chemistry</i> , 2017, 844, 1-7. | 1.8 | 14 |
| 15 | Supramolecular Organization of Solid Azobenzene Chromophore Disperse Orange 3, Its Chloroform Solutions, and PMMA-Based Films. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1779-1785. | 3.1 | 13 |
| 16 | Nonlinear optical activity of push-pull indolizine-based chromophores with various acceptor moieties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 764-772. | 3.9 | 13 |
| 17 | To what extent are the photophysical properties of quinoxaline- and quinoxalinone-based chromophores predictable?. <i>Dyes and Pigments</i> , 2019, 170, 107580. | 3.7 | 13 |
| 18 | Comparative Study of Conjugational Effects in 3,4,5-Triaryl-1-R-1,2-Diphospholes and 3,4,5-Triaryl-1,2-Diphosphacyclopentadienide-Anions. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015, 190, 858-862. | 1.6 | 12 |

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|----|---|-----|-----------|
| 19 | Benzimidazolylquinoxalines: novel fluorophores with tuneable sensitivity to solvent effects. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 6095-6104. | 2.8 | 11 |
| 20 | Synthesis, spatial and electronic structure of 1-(+)-neomenthyl-1,2-diphosphole and 1-(+)-neomenthyl-1,2,4-triphosphole tungstenpentacarbonyl complexes. <i>Journal of Organometallic Chemistry</i> , 2018, 867, 125-132. | 1.8 | 11 |
| 21 | Novel enantiopure monophospholes: synthesis, spatial and electronic structure, photophysical characteristics and conjugation effects. <i>Dalton Transactions</i> , 2018, 47, 11521-11529. | 3.3 | 11 |
| 22 | Conjugation effects and optical spectra of 1,2-diphosphole cycloadducts. <i>Russian Chemical Bulletin</i> , 2015, 64, 1896-1900. | 1.5 | 10 |
| 23 | The influence of different substituents on the geometrical changes in the heterocyclic moiety of 1,2-diphospholes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 1646-1649. | 1.6 | 10 |
| 24 | Theoretical study of the excited state properties of luminescent phospholes. <i>Dyes and Pigments</i> , 2019, 164, 363-371. | 3.7 | 9 |
| 25 | Indolizine-based chromophores with octatetraene π -bridge and tricyanofurane acceptor: Synthesis, photophysical, electrochemical and electro-optic properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 386, 112125. | 3.9 | 9 |
| 26 | Synthesis and photophysical properties of 2,3,4,5-tetraphenyl-1-n-octyl-1-monophosphole. <i>Russian Chemical Bulletin</i> , 2019, 68, 445-448. | 1.5 | 8 |
| 27 | D- π -A'- π -A chromophores with quinoxaline core in the π -electron bridge and charged heterocyclic acceptor moiety: Synthesis, DFT calculations, photophysical and electro-chemical properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 407, 113042. | 3.9 | 8 |
| 28 | A fresh look at participation of phosphorus atom in conjugation. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 417-422. | 1.6 | 6 |
| 29 | The effect of stacking arrangement on the conjugation in azochromophores revealed by combination of Raman spectroscopy and DFT calculations. <i>Chemical Physics Letters</i> , 2016, 659, 242-246. | 2.6 | 5 |
| 30 | Stimuli-responsive emission of quinoxalinone-based compounds. From experimental findings to theoretical insight by means of multiscale computational spectroscopy approaches. <i>Dyes and Pigments</i> , 2021, 184, 108797. | 3.7 | 5 |
| 31 | A rational synthetic approach to 2,3,4,5-tetraphenyl-1-monophosphole and its derivatives. <i>Inorganic Chemistry Communication</i> , 2021, 134, 108949. | 3.9 | 3 |
| 32 | 2,3-(Dibenzimidazol-2-yl)quinoxalines: Unexpected Dynamical Effect on Steady-State Electronic Absorption Spectra. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5514-5523. | 2.6 | 2 |
| 33 | Characterization of Conjugation Effects in the Series of Quinoxaline-2-ones by Means of Vibrational Raman Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3865-3875. | 2.5 | 2 |
| 34 | Synthesis and optical properties of chromophores with a methoxyphenylindolizine moiety. <i>AIP Conference Proceedings</i> , 2022, . | 0.4 | 1 |
| 35 | Chromophores Supramolecular Organization in Polymer Materials with Quadratic Nonlinear-Optical Activity: Symmetry Aspects. <i>Proceedings (mdpi)</i> , 2018, 2, 70. | 0.2 | 0 |
| 36 | Fullerenes C100 and C108: new substructures of higher fullerenes. <i>Structural Chemistry</i> , 2021, 32, 2283-2290. | 2.0 | 0 |

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|----|--|-----|-----------|
| 37 | Features of molecular structures of some IPR isomers of C ₉₆ fullerene. Structural Chemistry, 0, , 1. | 2.0 | 0 |