

# Sonia Kotowicz

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

505  
citations

567281

15  
h-index

713466

21  
g-index

38  
all docs

38  
docs citations

38  
times ranked

709  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Highly Luminescence Anthracene Derivatives as Promising Materials for OLED Applications. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4020-4031.   | 2.4 | 44        |
| 2  | New donor-acceptor-donor molecules based on quinoline acceptor unit with Schiff base bridge: synthesis and characterization. <i>Journal of Luminescence</i> , 2017, 183, 458-469.  | 3.1 | 36        |
| 3  | Synthesis and photophysical properties of new perylene bisimide derivatives for application as emitting materials in OLEDs. <i>Dyes and Pigments</i> , 2018, 159, 590-599.   | 3.7 | 30        |
| 4  | 4-Phenyl-2,2',6'-terpyridine derivatives-synthesis, potential application and the influence of acetylene linker on their properties. <i>Dyes and Pigments</i> , 2017, 146, 331-343.  | 3.7 | 28        |
| 5  | Synthesis, spectroscopic, electrochemical and computational studies of rhenium( <i>tricarboxyl</i> ) tricarbonyl complexes based on bidentate-coordinated 2,6-di(thiazol-2-yl)pyridine derivatives. <i>Dalton Transactions</i> , 2017, 46, 9605-9620.                                      | 3.3 | 26        |
| 6  | NCN-Coordinating Ligands based on Pyrene Structure with Potential Application in Organic Electronics. <i>Chemistry - A European Journal</i> , 2017, 23, 15746-15758.   | 3.3 | 25        |
| 7  | Experimental and computational exploration of photophysical and electroluminescent properties of modified 2,2',6'-terpyridine, 2,6-di(thiazol-2-yl)pyridine and 2,6-di(pyrazin-2-yl)pyridine ligands and their Re(I) complexes. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4611. | 3.7 | 20        |
| 8  | Novel 1,8-naphthalimides substituted at 3-C position: Synthesis and evaluation of thermal, electrochemical and luminescent properties. <i>Dyes and Pigments</i> , 2018, 158, 65-78.  | 3.7 | 20        |
| 9  | 2,2',6'-Terpyridine Analogues: Structural, Electrochemical, and Photophysical Properties of 2,6-di(thiazol-2-yl)pyridine Derivatives. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2730-2745.  | 2.4 | 19        |
| 10 | Polycyclic aromatic hydrocarbons connected with Schiff base linkers: Experimental and theoretical photophysical characterization and electrochemical properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 175, 168-176.                        | 3.9 | 19        |
| 11 | New anthracene-based Schiff bases: Theoretical and experimental investigations of photophysical and electrochemical properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 175, 24-35.   | 3.9 | 18        |
| 12 | Spectroscopic, electrochemical, thermal properties and electroluminescence ability of new symmetric azomethines with thiophene core. <i>Journal of Luminescence</i> , 2017, 192, 452-462.  | 3.1 | 17        |
| 13 | Phenanthro[9,10-d]imidazole with thiophene rings toward OLEDs application. <i>Dyes and Pigments</i> , 2018, 159, 646-654.  | 3.7 | 17        |
| 14 | A highly selective and sensitive sensor with imine and phenyl-ethynyl-phenyl units for the visual and fluorescent detection of copper in water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 382, 111893.  | 3.9 | 17        |
| 15 | “Small in size but mighty in force” The first principle study of the impact of A/D units in A/D-phenyl-phenothiazine-dicyanovinyl systems on photophysical and optoelectronic properties. <i>Dyes and Pigments</i> , 2021, 189, 109248.  | 3.7 | 16        |
| 16 | Naphthalene Diimides Prepared by a Straightforward Method and Their Characterization for Organic Electronics. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1756-1760.  | 2.4 | 13        |
| 17 | Symmetrical and unsymmetrical azomethines with thiophene core: structure-properties investigations. <i>Journal of Materials Science</i> , 2019, 54, 13491-13508.   | 3.7 | 13        |
| 18 | Towards better understanding of photophysical properties of rhenium(I) tricarbonyl complexes with terpy-like ligands. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 231, 118124.  | 3.9 | 13        |

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|----|---|-----|-----------|
| 19 | 2,2-Dicyanovinyl derivatives – Thermal, photophysical, electrochemical and electroluminescence investigations. <i>Materials Chemistry and Physics</i> , 2018, 209, 249-261.   | 4.0 | 9         |
| 20 | Thermal, spectroscopic, electrochemical, and electroluminescent characterization of malononitrile derivatives with triphenylamine structure. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 210, 136-147. | 3.9 | 9         |
| 21 | Novel $\hat{I}^2$ -ketoenamines versus azomethines for organic electronics: characterization of optical and electrochemical properties supported by theoretical studies. <i>Journal of Materials Science</i> , 2020, 55, 3812-3832.             | 3.7 | 9         |
| 22 | 1,8-Naphthalimides 3-substituted with imine or $\hat{I}^2$ -ketoenamine unit evaluated as compounds for organic electronics and cell imaging. <i>Dyes and Pigments</i> , 2021, 193, 109508.   | 3.7 | 8         |
| 23 | Synthesis, electrochemistry and optical properties with electroluminescence ability of new multisubstituted naphthalene derivatives with thiophene and carbazole motifs. <i>Journal of Luminescence</i> , 2018, 196, 244-255.                   | 3.1 | 7         |
| 24 | Ground- and excited-state properties of Re(I) carbonyl complexes – Effect of triimine ligand core and appended heteroaromatic groups. <i>Dyes and Pigments</i> , 2021, 192, 109472.   | 3.7 | 7         |
| 25 | Effect of Backbone Variation on Properties of Fluorinated Polyimides toward Optoelectronic Applications. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 1661-1670.  | 2.2 | 6         |
| 26 | Highly Luminescent 4-(4-ethynylphenyl)-2,2',6',6'-terpyridine Derivatives as Materials for Potential Applications in Organic Light Emitting Diodes. <i>ChemistrySelect</i> , 2017, 2, 8221-8233.  | 1.5 | 6         |
| 27 | Azomethine diimides end-capped with anthracene moieties: Experimental and theoretical investigations. <i>Journal of Molecular Structure</i> , 2017, 1128, 462-470.  | 3.6 | 6         |
| 28 | New Acceptor–Donor–Acceptor Systems Based on Bis-(Imino-1,8-Naphthalimide). <i>Materials</i> , 2021, 14, 2714.  | 2.9 | 6         |
| 29 | Luminescence and Electrochemical Activity of New Unsymmetrical 3-Imino-1,8-naphthalimide Derivatives. <i>Materials</i> , 2021, 14, 5504.  | 2.9 | 6         |
| 30 | Novel phenanthro[9,10-d]imidazole derivatives - effect of thienyl and 3,4-(ethylenedioxy)thienyl substituents. <i>Synthetic Metals</i> , 2019, 251, 40-48.  | 3.9 | 5         |
| 31 | A comparative study on simple and practical chemical gas sensors from chemically modified graphene films. <i>Materials Research Express</i> , 2019, 6, 015607.  | 1.6 | 5         |
| 32 | New Thiophene Imines Acting as Hole Transporting Materials in Photovoltaic Devices. <i>Energy &amp; Fuels</i> , 2020, 34, 10160-10169.  | 5.1 | 5         |
| 33 | Photoelectrochemical and thermal characterization of aromatic hydrocarbons substituted with a dicyanovinyl unit. <i>Dyes and Pigments</i> , 2020, 180, 108432.  | 3.7 | 5         |
| 34 | Electrochemical and spectroelectrochemical properties of new polymers with diimide subunits. <i>Journal of Electroanalytical Chemistry</i> , 2017, 795, 90-96.  | 3.8 | 4         |
| 35 | Malononitrile derivatives as push-pull molecules: Structure - properties relationships characterization. <i>Journal of Luminescence</i> , 2018, 203, 455-466.   | 3.1 | 4         |
| 36 | Synthesis and Thermal, Photophysical, Electrochemical Properties of 3,3-di[3-Arylcarbazol-9-ylmethyl]oxetane Derivatives. <i>Materials</i> , 2021, 14, 5569.  | 2.9 | 4         |

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|----|--|-----|-----------|
| 37 | Cyclometalated alkynylgold(III) complexes of 2-phenylpyridine and 2-(p-tolyl)-pyridine – Synthesis, photophysical and electroluminescence properties. Journal of Luminescence, 2018, 198, 251-259. | 3.1 | 2         |
| 38 | Ogniwa hybrydowe - iminy tiofenowe jako HTM. Przegląd Elektrotechniczny, 2022, 1, 78-80.   | 0.2 | 0         |