

# Olga N Tchaikovskaya

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65  
papers

255  
citations

7  
h-index

10  
g-index

83  
ext. papers

294  
ext. citations

1.3  
avg, IF

3.04  
L-index

| #  | Paper   | IF  | Citations |
|----|---|-----|-----------|
| 65 | Migration of Excitation Energy in Furocoumarins. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 754950  | 5   | 0         |
| 64 | Unusual shift in the visible absorption spectrum of an active ctenophore photoprotein elucidated by time-dependent density functional theory. <i>Photochemical and Photobiological Sciences</i> , <b>2021</b> , 20, 5594-2  | 4.2 | 3         |
| 63 | Synthesis, Mass Spectroscopy Detection, and Density Functional Theory Investigations of the Gd Endohedral Complexes of C82 Fullerenols. <i>Computation</i> , <b>2021</b> , 9, 58  | 2.2 | 3         |
| 62 | Potential energy surfaces of adsorption and migration of transition metal atoms on nanoporus materials: The case of nanoporus bigraphene and G-C3N4. <i>Applied Surface Science</i> , <b>2021</b> , 540, 148223   | 6.7 | 4         |
| 61 | Engineering of Humic Acids in Biostimulants of Plant Growths. <i>Studies in Systems, Decision and Control</i> , <b>2021</b> , 247-261   | 0.8 |           |
| 60 | Towards advanced complex quantum materials for spin-related applications and photo-induced heterogeneous catalysis: The case of (Fe) <sub>n</sub> @g-CN1 (n=2,3) and (Mn) <sub>n</sub> @(g-CN1) <sub>2</sub> . <i>Computational Materials Science</i> , <b>2021</b> , 197, 110610 | 3.2 |           |
| 59 | Influence of UV Radiation on the Spectral Properties of 2-METYL-4-Chlorophenoxy Propionic Acids. <i>Russian Physics Journal</i> , <b>2020</b> , 63, 1424-1428   | 0.7 |           |
| 58 | Photophysical Processes in Coumarin Sensitizers. <i>Russian Physics Journal</i> , <b>2020</b> , 63, 1339-1347   | 0.7 | 1         |
| 57 | Study of the Optical Spectra of 4-Hydroxy-3-Methoxybenzoic Acid. <i>Russian Physics Journal</i> , <b>2020</b> , 63, 1395-1402   | 0.7 |           |
| 56 | Electronic Spectra and Photolysis of Bisphenol A in Water. <i>Russian Physics Journal</i> , <b>2020</b> , 63, 1403-1411   | 0.7 |           |
| 55 | Theoretical study of bisphenol A photolysis. <i>Advances in Quantum Chemistry</i> , <b>2020</b> , 81, 191-217   | 1.4 | 4         |
| 54 | Experimental and Theoretical Investigation of Optical Spectra of Methylene Green in Solutions. <i>Russian Physics Journal</i> , <b>2019</b> , 61, 1752-1758   | 0.7 | 4         |
| 53 | Nature of Electronically Excited States of Furocoumarins. <i>Russian Physics Journal</i> , <b>2019</b> , 61, 2033-2041  | 0.7 | 4         |
| 52 | Fluorescence analysis of polyaromatic hydrocarbon photodegradation in the presence of polypropylene microfibers. <i>Luminescence</i> , <b>2019</b> , 34, 553-557  | 2.5 | 2         |
| 51 | Kinetic model for UV/H2O2 degradation of 8-methoxypsoralen <b>2018</b> ,  |     | 1         |
| 50 | Physicochemical and spectroluminescent properties of the humic acids of coals. <i>Solid Fuel Chemistry</i> , <b>2017</b> , 51, 1-5  | 0.7 | 4         |
| 49 | Control System of Parameters of the Azimuthal Module. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 168, 012088   | 0.4 |           |

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|----|--|-----|----|
| 48 | THE CONCEPT OF ROBOTICS IMPLEMENTATION IN A TECHNICAL UNIVERSITY <b>2017</b> , 73,   |     | 5  |
| 47 | Photodegradation of some Furocoumarins in Ethanol under UV Irradiation. <i>Key Engineering Materials</i> , <b>2016</b> , 683, 402-405  | 0.4 | 1  |
| 46 | Investigation of the Pour Point Depression Ability of Polyalkyl Acrylate Additives After Sonication. <i>Russian Physics Journal</i> , <b>2016</b> , 59, 1289-1294  | 0.7 | 1  |
| 45 | Interaction of Humic Acids with Organic Toxicants. <i>Russian Physics Journal</i> , <b>2016</b> , 59, 597-603  | 0.7 | 2  |
| 44 | Investigation of the Effect of Humic Acids on Phototransformation of Naphthalene Illuminated by Visible and UV Light. <i>Russian Physics Journal</i> , <b>2016</b> , 58, 1771-1774   | 0.7 | 1  |
| 43 | Proteolytic Equilibria of Vanillic Acid in the Ground and Excited States. <i>Journal of Applied Spectroscopy</i> , <b>2016</b> , 83, 8-11  | 0.7 | 1  |
| 42 | Optimization of the Stabilization System for Electromagnetic Suspension in Active Vibration Isolation Devices. <i>MATEC Web of Conferences</i> , <b>2016</b> , 79, 01019   | 0.3 | 5  |
| 41 | Quenching of fluorescence of phenolic compounds and modified humic acids by cadmium ions. <i>Luminescence</i> , <b>2016</b> , 31, 1098-102   | 2.5 | 6  |
| 40 | Kinetic Model for UV/H <sub>2</sub> O <sub>2</sub> Degradation of 5-Methoxypsoralen. <i>Russian Physics Journal</i> , <b>2016</b> , 59, 552-561  | 1.7 | 1  |
| 39 | Choice of Parameters and Stability of Nonlinear Vibration Isolation Device. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 671, 012046   | 0.3 | 9  |
| 38 | Development of a New Technology of Environmental Purification from Naphthalene. <i>Advanced Materials Research</i> , <b>2015</b> , 1085, 154-160   | 0.5 | 1  |
| 37 | Photoreactors for Solving Problems of Environmental Pollution. <i>Russian Physics Journal</i> , <b>2015</b> , 57, 1725-1731  | 1.7 | 4  |
| 36 | Photodegradation of an Herbicide (2-methyl-4-chlorophenoxyacetic acid) in the Presence of TiO <sub>2</sub> , SnO <sub>2</sub> , SnO <sub>2</sub> /TiO <sub>2</sub> Nanoparticles [Polypropylene Fibrous Carrier] Systems. <i>Advanced Materials Research</i> , <b>2015</b> , 1085, 107-112 | 0.5 | 5  |
| 35 | Investigation of bactericide systems using a microfiber polypropylene carrier. <i>Technical Physics</i> , <b>2015</b> , 60, 592-594  | 0.5 | 13 |
| 34 | Photodegradation of 2-methyl-4-chlorophenol in a KrCl exciplex flow-through photoreactor: a kinetic study. <i>Desalination and Water Treatment</i> , <b>2015</b> , 54, 1862-1871   |     | 4  |
| 33 | Photosensitized Reactions of Psoralen and Herbicides Revealed by the Pump-Probe Method. <i>Advanced Materials Research</i> , <b>2015</b> , 1085, 161-165   | 0.5 |    |
| 32 | Features of the Photodegradation of 2,4-Dichlorophenoxyacetic Acid Under the Influence of Radiation from KrCl Excilamps. <i>Journal of Applied Spectroscopy</i> , <b>2015</b> , 82, 831-834  | 0.7 | 3  |
| 31 | Comparison of Vanillin and Isovanillin Photolysis in Aqueous Solutions. <i>Russian Physics Journal</i> , <b>2014</b> , 56, 1287-1291   | 0.7 | 2  |

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|----|---|-----|----|
| 30 | Experimental and Quantum-Chemical Study of Electronically Excited States of Protolytic Isovanillin Species. <i>Russian Physics Journal</i> , <b>2014</b> , 57, 86-94  | 0.7 | 3  |
| 29 | Degradation of the Herbicide (2,4-Dichlorophenoxyacetic Acid) Using a Photoreactor with Exciplex Lamps. <i>Journal of Applied Spectroscopy</i> , <b>2013</b> , 80, 600-603                                  | 0.7 | 5  |
| 28 | Study of the Effect of UV Radiation on the Decomposition of 4-Chloro-2-Methylphenoxyacetic Acid. <i>Russian Physics Journal</i> , <b>2013</b> , 56, 853-859   | 0.7 | 6  |
| 27 | Spectral investigation of photochemical properties of polypropylene microfiber. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2013</b> , 114, 78-82                  | 0.7 | 2  |
| 26 | The phototransformation of 4-chloro-2-methylphenoxyacetic acid under KrCl and XeBr excilamps irradiation in water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2012</b> , 228, 8-14 | 4.7 | 15 |
| 25 | Application of excilamps in a flow reactor for recovery of stable toxic compounds. <i>Instruments and Experimental Techniques</i> , <b>2011</b> , 54, 841-845   | 0.5 | 2  |
| 24 | Phototransformation of naphthalene in water in the presence of modified polypropylene microfibers. <i>Russian Physics Journal</i> , <b>2011</b> , 54, 500-505   | 0.7 | 1  |
| 23 | Investigation of the toxicity of aqueous media after high-energy exposure by the spectralluminescent methods. <i>Russian Physics Journal</i> , <b>2011</b> , 54, 627-633                                    | 0.7 | 1  |
| 22 | The role of UV-irradiation pretreatment on the degradation of 2,4-dichlorophenoxyacetic acid in water. <i>Luminescence</i> , <b>2011</b> , 26, 156-61   | 2.5 | 5  |
| 21 | The use of modern UV radiation sources for the utilization of persistent toxic substances. <i>Atmospheric and Oceanic Optics</i> , <b>2010</b> , 23, 55-59  | 0.8 | 4  |
| 20 | Sequential degradation of p-cresol by photochemical and biological methods. <i>Applied Biochemistry and Microbiology</i> , <b>2008</b> , 44, 493-501  | 1.1 | 3  |
| 19 | Luminescence investigations of the degradation of 2-methylphenol and 4-methylphenol in water. <i>Russian Physics Journal</i> , <b>2008</b> , 51, 1344-1355  | 0.7 | 5  |
| 18 | Fluorescent analysis of photoinduced biodegradation of cresol isomers. <i>Journal of Applied Spectroscopy</i> , <b>2008</b> , 75, 261-267   | 0.7 | 3  |
| 17 | Effect of humic acids on phototransformation of methylphenols in water. <i>Journal of Applied Spectroscopy</i> , <b>2008</b> , 75, 597-602  | 0.7 | 6  |
| 16 | Fluorescence and bioluminescence analysis of sequential UV-biological degradation of p-cresol in water. <i>Luminescence</i> , <b>2007</b> , 22, 29-34   | 2.5 | 18 |
| 15 | Phenol and anisol fluorescence quenching in aqueous micellar solutions. <i>Russian Physics Journal</i> , <b>2006</b> , 49, 427-434  | 0.7 | 1  |
| 14 | Luminescent analysis of photoinduced detoxification of phenol in the presence of humic substances. <i>Journal of Applied Spectroscopy</i> , <b>2006</b> , 73, 829-833                                       | 0.7 | 4  |
| 13 | Excitation energy effect on the early photophysics of hypericin in solution. <i>Chemical Physics Letters</i> , <b>2005</b> , 408, 96-100  | 2.5 | 9  |

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| 12 | Fluorescence analysis of photoinduced degradation of ecotoxicants in the presence of humic acids. <i>Luminescence</i> , <b>2005</b> , 20, 187-91   | 2.5 | 10 |
| 11 | Spectral-Luminescent Properties of Neutral and Ionic Cresols. <i>Journal of Applied Spectroscopy</i> , <b>2005</b> , 72, 172-178   | 0.7 | 1  |
| 10 | Kinetics of fast reactions of triplet states and radicals under photolysis of 4,4'-dimethylbenzophenone in the presence of 4-halophenols in micellar solutions of sodium dodecyl sulfate in magnetic field. <i>Russian Chemical Bulletin</i> , <b>2005</b> , 54, 1433-1438 | 1.7 | 7  |
| 9  | Kinetics of radical formation and decay in photooxidation of 4-halophenols sensitized by 4-carboxybenzophenone in aqueous solutions. <i>Russian Chemical Bulletin</i> , <b>2005</b> , 54, 1439-1444  | 1.7 | 7  |
| 8  | Influence of Complexing and Excitation Energy on Spectral and Luminescent Properties of 2-Amino-4-Methylphenol. <i>Russian Physics Journal</i> , <b>2005</b> , 48, 300-306   | 0.7 | 3  |
| 7  | Investigations into the spectral and luminescent properties of methylphenols in neutral and ionic forms in aqueous micelle solutions. <i>Russian Physics Journal</i> , <b>2005</b> , 48, 1166-1173   | 0.7 |    |
| 6  | Proton-acceptor and proton-donor properties of phenol and its substitutes. <i>Russian Physics Journal</i> , <b>2005</b> , 48, 1245-1250  | 0.7 | 2  |
| 5  | Triplet states of humic acids studied by laser flash photolysis using different excitation wavelengths. <i>Russian Chemical Bulletin</i> , <b>2004</b> , 53, 313-317   | 1.7 | 12 |
| 4  | The effect of UV radiation on the phenol photodegradation in the presence of humic and fulvic acids <b>2004</b> , 5743, 156  |     | 2  |
| 3  | The fluorescence analysis of laser photolysis of phenols in water. <i>International Journal of Photoenergy</i> , <b>2002</b> , 4, 79-83  | 2.1 | 6  |
| 2  | Role of photochemical and microbial degradation of phenol in water. <i>International Journal of Photoenergy</i> , <b>2001</b> , 3, 177-180   | 2.1 | 7  |
| 1  | Fluorescence Investigations of Phenol Phototransformation in Aqueous Solutions. <i>Journal of Fluorescence</i> , <b>2000</b> , 10, 403-408   | 2.4 | 7  |