

# Mateusz Rebarz

## List of Publications by Year in descending order

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44  
papers

924  
citations

471509

17  
h-index

454955

30  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1553  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoinduced insulator-to-metal transition and coherent acoustic phonon propagation in $\text{LaCoO}_3$ thin films explored by femtosecond pump-probe ellipsometry. <i>Physical Review B</i> , 2022, 105, .	3.2	5
2	Optical and Infrared Spectroelectrochemical Studies of CN-Substituted Bipyridyl Complexes of Ruthenium(II). <i>Inorganic Chemistry</i> , 2021, 60, 3514-3523.	4.0	4
3	Transient birefringence and dichroism in ZnO studied with fs-time-resolved spectroscopic ellipsometry. <i>Physical Review Research</i> , 2021, 3, .	3.6	8
4	Broadband femtosecond spectroscopic ellipsometry. <i>Review of Scientific Instruments</i> , 2021, 92, 033104.	1.3	14
5	A multipurpose end-station for atomic, molecular and optical sciences and coherent diffractive imaging at ELI beamlines. <i>European Physical Journal: Special Topics</i> , 2021, 230, 4183-4194.	2.6	13
6	Analysis of temperature-dependent and time-resolved ellipsometry spectra of Ge. , 2021, , .		0
7	Mutual influence of gold and silver nanoparticles on Tris-(2,2'-bipyridine)-Ru(II) core complexes: Post-functionalization processes, optical and electrochemical investigations. <i>Applied Surface Science</i> , 2020, 499, 143847.	6.1	3
8	Comparative ultrafast spectroscopy and structural analysis of OCP1 and OCP2 from <i>Tolypothrix</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148120.	1.0	22
9	Spectroscopy and excited state dynamics of nearly infinite polyenes. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 17867-17879.	2.8	3
10	Time-Resolved Femtosecond Stimulated Raman Spectra and DFT Anharmonic Vibrational Analysis of an Electronically Excited Rhenium Photosensitizer. <i>Journal of Physical Chemistry A</i> , 2020, 124, 1253-1265.	2.5	13
11	Femtosecond-to-nanosecond dynamics of flavin mononucleotide monitored by stimulated Raman spectroscopy and simulations. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6538-6552.	2.8	22
12	Ultrafast dynamics of hot charge carriers in an oxide semiconductor probed by femtosecond spectroscopic ellipsometry. <i>New Journal of Physics</i> , 2020, 22, 083066.	2.9	21
13	Characterization of the high harmonics source for the VUV ellipsometer at ELI Beamlines. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2020, 38, 024005.	1.2	11
14	XUV Reflection and Ellipsometry Experiments at ELI Beamlines. , 2020, , .		0
15	Implementation of a crossed-slit system for fast alignment of sealed polycapillary X-ray optics. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 1730-1733.	2.4	5
16	Transient dielectric functions of Ge, Si, and InP from femtosecond pump-probe ellipsometry. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	14
17	Cobalt(II) Pentaaza-Macrocyclic Schiff Base Complex as Catalyst for Light-Driven Hydrogen Evolution in Water: Electrochemical Generation and Theoretical Investigation of the One-Electron Reduced Species. <i>Inorganic Chemistry</i> , 2019, 58, 9043-9056.	4.0	29
18	Progress on laser-driven x-ray sources at ELI Beamlines. , 2019, , .		3

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19	Structural dynamics upon photoexcitation-induced charge transfer in a dicopper( $\mu$ -disulfide complex. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6274-6286.	2.8	13
20	Synthesis, Characterization, and Photocatalytic H <sub>2</sub> -Evolving Activity of a Family of [Co(N4Py)(X)] <sup>n+</sup> Complexes in Aqueous Solution. <i>Inorganic Chemistry</i> , 2016, 55, 4564-4581.	4.0	47
21	Cobalt(III) tetraaza-macrocyclic complexes as efficient catalyst for photoinduced hydrogen production in water: Theoretical investigation of the electronic structure of the reduced species and mechanistic insight. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 152, 82-94.	3.8	20
22	Photoaddition of Two Guanine Bases to Single Ru-TAP Complexes. Computational Studies and Ultrafast Spectroscopies to Elucidate the pH Dependence of Primary Processes. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4488-4500.	2.6	15
23	Emission Properties of Oxyluciferin and Its Derivatives in Water: Revealing the Nature of the Emissive Species in Firefly Bioluminescence. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2638-2649.	2.6	63
24	Vibrational Spectra of Chemical and Isotopic Variants of Oxyluciferin, the Light Emitter of Firefly Bioluminescence. <i>Chemistry - A European Journal</i> , 2014, 20, 10782-10790.	3.3	5
25	An Efficient Ru <sup>II</sup> -Rh <sup>III</sup> -Ru <sup>II</sup> Polypyridyl Photocatalyst for Visible-Light-Driven Hydrogen Production in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1654-1658.	13.8	82
26	Design of Efficient Photoinduced Charge Separation in Donor-Copper(I)-Acceptor Triad. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28388-28400.	3.1	26
27	Revisited Photophysics and Photochemistry of a Ru-TAP Complex Using Chloride Ions and a Calix[6]crypturea. <i>Inorganic Chemistry</i> , 2014, 53, 2635-2644.	4.0	16
28	Deciphering the protonation and tautomeric equilibria of firefly oxyluciferin by molecular engineering and multivariate curve resolution. <i>Chemical Science</i> , 2013, 4, 3803.	7.4	60
29	Comprehensive investigation of the excited-state dynamics of push-pull triphenylamine dyes as models for photonic applications. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13922.	2.8	44
30	Heteroleptic diimine copper(I) complexes with large extinction coefficients: synthesis, quantum chemistry calculations and physico-chemical properties. <i>Dalton Transactions</i> , 2013, 42, 14628.	3.3	53
31	[Rh <sup>III</sup> (dmbpy) <sub>2</sub> Cl <sub>2</sub> ] <sup>+</sup> as a Highly Efficient Catalyst for Visible-Light-Driven Hydrogen Production in Pure Water: Comparison with Other Rhodium Catalysts. <i>Chemistry - A European Journal</i> , 2013, 19, 782-792.	3.3	56
32	An Experimental and Theoretical Approach to the Photophysical Properties of Some Rh and Ir Complexes Incorporating the Dipyromethene Ligand. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2031-2040.	2.0	17
33	New Heteroleptic Bis-Phenanthroline Copper(I) Complexes with Dipyridophenazine or Imidazole Fused Phenanthroline Ligands: Spectral, Electrochemical, and Quantum Chemical Studies. <i>Inorganic Chemistry</i> , 2011, 50, 11309-11322.	4.0	60
34	Photoinduced Electron Transfer from Tryptophan to Ru(TAP) Complexes: The Primary Process for Photo-Cross-Linking with Oligopeptides. <i>Inorganic Chemistry</i> , 2010, 49, 10867-10874.	4.0	15
35	Study of excited states in thin films of perylene derivatives by photoluminescence and absorption spectroscopy. <i>Optical Materials</i> , 2008, 30, 774-776.	3.6	12
36	The temperature dependence of photoluminescence and absorption spectra of vacuum-sublimed magnesium phthalocyanine thin films. <i>Optical Materials</i> , 2008, 30, 734-739.	3.6	28

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37	Optical Properties of Vacuum Sublimed Cobalt Phthalocyanine (CoPc) Thin Layers. Molecular Crystals and Liquid Crystals, 2008, 485, 974-989.	0.9	12
38	The Photoluminescence Properties of Vinylcarbazole " Vinylimidazole Copolymer Thin Films. Molecular Crystals and Liquid Crystals, 2008, 485, 1019-1029.	0.9	0
39	The temperature dependence of photoluminescence and absorption spectra of MPc (M = Zn, Co, Mg.) Tj ETQq1 1 0.784314 rgBT /Over	0.784314	0
40	Study of optical properties of TRIS (8-hydroxyquinoline) aluminum (III). Optical Materials, 2006, 28, 98-101.	3.6	27
41	Excitons in organic molecular crystals. Optical Materials, 2006, 28, 94-97.	3.6	7
42	Stationary and modulated absorption spectroscopy of copper phthalocyanine (CuPc) layers grown on transparent substrate. Journal of Optics, 2005, 7, 463-466.	1.5	27
43	Excitons in organic molecular crystals. , 0, , .		0
44	Coherent acoustic phonon oscillations and transient critical point parameters of Ge from femtosecond pump-probe ellipsometry. Physica Status Solidi - Rapid Research Letters, 0, , .	2.4	2