Stefanie GrÃ¤fe

List of Publications by Year
in descending order

177 papers	3,266 citations	147801 31 h-index	206112 48 g-index
182 all docs	182 docs citations	182 times ranked	3115 citing authors

#	Article	IF	Citations
1	Ultrafast electron diffraction imaging of bond breaking in di-ionized acetylene. Science, 2016, 354, 308-312.	12.6	243
2	Attosecond-Recollision-Controlled Selective Fragmentation of Polyatomic Molecules. Physical Review Letters, 2012, 109, 243001.	7.8	136
3	Attosecond Probe of Valence-Electron Wave Packets by Subcycle Sculpted Laser Fields. Physical Review Letters, 2012, 108, 193004.	7.8	131
4	Intrinsic self-healing polymers with a high E-modulus based on dynamic reversible urea bonds. NPG Asia Materials, 2017, 9, e420-e420.	7.9	97
5	4-Methoxy-1,3-thiazole based donor-acceptor dyes: Characterization, X-ray structure, DFT calculations and test as sensitizers for DSSC. Dyes and Pigments, 2012, 94, 512-524.	3.7	67
6	Selective Control over Fragmentation Reactions in Polyatomic Molecules Using Impulsive Laser Alignment. Physical Review Letters, 2014, 112, 163003.	7.8	66
7	Low-energy peak structure in strong-field ionization by midinfrared laser pulses: Two-dimensional focusing by the atomic potential. Physical Review A, 2012, 85, .	2.5	64
8	Spatial resolution of tip-enhanced Raman spectroscopy â€“ DFT assessment of the chemical effect. Nanoscale, 2016, 8, 10229-10239.	5.6	64
9	Protonation effects on the resonance Raman properties of a novel (terpyridine)Ru(4H-imidazole) complex: an experimental and theoretical case study. Physical Chemistry Chemical Physics, 2011, 13, 15580.	2.8	54
10	Self-healing mechanism of metallopolymers investigated by QM/MM simulations and Raman spectroscopy. Physical Chemistry Chemical Physics, 2014, 16, 12422.	2.8	53
11	Visible and UV coherent Raman spectroscopy of dipicolinic acid. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14976-14981.	7.1	51
12	Cu(<scp>i</scp>) vs. Ru(<scp>ii</scp>) photosensitizers: elucidation of electron transfer processes within a series of structurally related complexes containing an extended Ï€-system. Physical Chemistry Chemical Physics, 2018, 20, 24843-24857.	2.8	50
13	Dramatic Alteration of ³ILCT Lifetimes Using Ancillary Ligands in [Re(L)(CO)₃(phen-TPA)]ⁿ⁺ Complexes: An Integrated Spectroscopic and Theoretical Study. Journal of the American Chemical Society, 2018, 140, 4534-4542.	13.7	49
14	Resonance-Raman spectro-electrochemistry of intermediates in molecular artificial photosynthesis of bimetallic complexes. Chemical Communications, 2014, 50, 5227.	4.1	48
15	An artificial photosynthetic system for photoaccumulation of two electrons on a fused dipyridophenazine (dppz)â€“pyridoquinolinone ligand. Chemical Science, 2018, 9, 4152-4159.	7.4	48
16	Effective Fields in Laser-Driven Electron Recollision and Charge Localization. Physical Review Letters, 2007, 99, 163603.	7.8	47
17	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>F</mml:mi></mml:math>center in lithium fluoride revisited: Comparison of solid-state physics and quantum-chemistry approaches. Physical Review B, 2014, 89, .	3.2	43
18	[FeFe]-Hydrogenase H-cluster mimics mediated by naphthalene monoimide derivatives of peri-substituted dichalcogenides. Dalton Transactions, 2017, 46, 11180-11191.	3.3	43

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19	Imaging the Rennerâ€“Teller effect using laser-induced electron diffraction. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8173-8177.	7.1	41
20	Structural Control of Photoinduced Dynamics in 4H-Imidazole-Ruthenium Dyes. Journal of Physical Chemistry C, 2012, 116, 25664-25676.	3.1	38
21	An Assessment of RASSCF and TDDFT Energies and Gradients on an Organic Donorâ€“Acceptor Dye Assisted by Resonance Raman Spectroscopy. Journal of Chemical Theory and Computation, 2013, 9, 543-554.	5.3	38
22	Trapped in Imidazole: How to Accumulate Multiple Photoelectrons on a Blackâ€Absorbing Ruthenium Complex. Chemistry - A European Journal, 2014, 20, 3793-3799.	3.3	38
23	Two-dimensional Raman correlation spectroscopy reveals molecular structural changes during temperature-induced self-healing in polymers based on the Dielsâ€“Alder reaction. Physical Chemistry Chemical Physics, 2015, 17, 22587-22595.	2.8	38
24	Coulomb asymmetry and sub-cycle electron dynamics in multiphoton multiple ionization of H₂. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 194011.	1.5	35
25	Classical-quantum correspondence in atomic ionization by midinfrared pulses: Multiple peak and interference structures. Physical Review A, 2013, 87, .	2.5	35
26	Photochemistry and Electron Transfer Kinetics in a Photocatalyst Model Assessed by Marcus Theory and Quantum Dynamics. Journal of Physical Chemistry C, 2017, 121, 16066-16078.	3.1	35
27	Sterically induced distortions of nickel(II) porphyrins â€“ Comprehensive investigation by DFT calculations and resonance Raman spectroscopy. Coordination Chemistry Reviews, 2018, 360, 1-16.	18.8	35
28	Photophysics of Ru(II) Dyads Derived from Pyrenyl-Substitued Imidazo[4,5-f][1,10]phenanthroline Ligands. Journal of Physical Chemistry A, 2015, 119, 3986-3994.	2.5	34
29	Unraveling the Lightâ€Activated Reaction Mechanism in a Catalytically Competent Key Intermediate of a Multifunctional Molecular Catalyst for Artificial Photosynthesis. Angewandte Chemie - International Edition, 2019, 58, 13140-13148.	13.8	34
30	Instantaneous dynamics and quantum control fields: Principle and numerical applications. Journal of Chemical Physics, 2005, 122, 184103.	3.0	33
31	Attosecond Photoelectron Spectroscopy of Electron Tunneling in a Dissociating Hydrogen Molecular Ion. Physical Review Letters, 2008, 101, 103001.	7.8	32
32	Active repair of a dinuclear photocatalyst for visible-light-driven hydrogen production. Nature Chemistry, 2022, 14, 500-506.	13.6	32
33	A Novel Ru(II) Polypyridine Black Dye Investigated by Resonance Raman Spectroscopy and TDDFT Calculations. Journal of Physical Chemistry C, 2012, 116, 19968-19977.	3.1	30
34	Influence of Protonation State on the Excited State Dynamics of a Photobiologically Active Ru(II) Dyad. Journal of Physical Chemistry A, 2016, 120, 6379-6388.	2.5	29
35	The chemical effect goes resonant â€“ a full quantum mechanical approach on TERS. Nanoscale, 2020, 12, 6346-6359.	5.6	29
36	pysisyphus: Exploring potential energy surfaces in ground and excited states. International Journal of Quantum Chemistry, 2021, 121, e26390.	2.0	29

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37	Influence of Multiple Protonation on the Initial Excitation in a Black Dye. Journal of Physical Chemistry C, 2011, 115, 24004-24012.	3.1	28
38	Heteronuclear Limit of Strong-Field Ionization: Fragmentation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mi>HeH</mml:mi></mml:mrow><mml:mrow><mml:mo>+</mml:mo></m by Intense Ultrashort Laser Pulses. Physical Review Letters, 2018, 121, 073203.	7.8	28
39	Interaction potentials for fast atoms in front of Al surfaces probed by rainbow scattering. Physical Review B, 2010, 82, .	3.2	27
40	Arylamineâ€Modified Thiazoles as Donorâ€“Acceptor Dyes: Quantum Chemical Evaluation of the Chargeâ€Transfer Process and Testing as Ligands in Ruthenium(II) Complexes. European Journal of Organic Chemistry, 2012, 2012, 5231-5247.	2.4	26
41	Theoretical Assessment of Excited State Gradients and Resonance Raman Intensities for the Azobenzene Molecule. Journal of Chemical Theory and Computation, 2017, 13, 1263-1274.	5.3	26
42	Path-selective investigation of intense laser-pulse-induced fragmentation dynamics in triply charged 1,3-butadiene. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 085603.	1.5	25
43	Probing the influence of the Coulomb field on atomic ionization by sculpted two-color laser fields. New Journal of Physics, 2013, 15, 043050.	2.9	24
44	Ultrafast Intramolecular Relaxation and Waveâ€Packet Motion in a Rutheniumâ€Based Supramolecular Photocatalyst. Chemistry - A European Journal, 2015, 21, 7668-7674.	3.3	24
45	Co-facial Ï€â€“Ï€ Interaction Expedites Sensitizer-to-Catalyst Electron Transfer for High-Performance CO₂ Photoreduction. Jacs Au, 2022, 2, 1359-1374.	7.9	24
46	Local control of the quantum dynamics in multiple potential wells. Journal of Chemical Physics, 2006, 124, 054325.	3.0	23
47	Tuning of photocatalytic activity by creating a tridentate coordination sphere for palladium. Dalton Transactions, 2014, 43, 11676.	3.3	23
48	Light-responsive paper strips as CO-releasing material with a colourimetric response. Chemical Science, 2017, 8, 6555-6560.	7.4	23
49	Ground state vibrational wave-packet and recovery dynamics studied by time-resolved CARS and pump-CARS spectroscopy. Journal of Raman Spectroscopy, 2006, 37, 397-403.	2.5	22
50	Quantum control of electron localization in molecules driven by trains of half-cycle pulses. New Journal of Physics, 2009, 11, 105035.	2.9	22
51	Quantum phase-space analysis of electronic rescattering dynamics in intense few-cycle laser fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 055002.	1.5	22
52	Time-resolved photoelectron spectroscopy of coupled electron-nuclear motion. Journal of Chemical Physics, 2011, 134, 184307.	3.0	21
53	Enhanced ionisation of polyatomic molecules in intense laser pulses is due to energy upshift and field coupling of multiple orbitals. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 125601.	1.5	21
54	Classical analysis of Coulomb effects in strong-field ionization of H<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mo>+</mml:mo></mml:msup></mml:math>by intense circularly polarized laser fields. Physical Review A, 2013, 88, .	2.5	20

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55	Molecular structure retrieval directly from laboratory-frame photoelectron spectra in laser-induced electron diffraction. Nature Communications, 2021, 12, 1520.	12.8	20
56	A Ï€Ï€* State Enables Photoaccumulation of Charges on a Ï€-Extended Dipyridophenazine Ligand in a Ru(II) Polypyridine Complex. Journal of Physical Chemistry C, 2018, 122, 83-95.	3.1	19
57	Molecular Scylla and Charybdis: Maneuvering between pH Sensitivity and Excited-State Localization in Ruthenium Bi(benz)imidazole Complexes. Inorganic Chemistry, 2020, 59, 12097-12110.	4.0	19
58	Excited-State Switching in Rhenium(I) Bipyridyl Complexes with Donorâ€“Donor and Donorâ€“Acceptor Substituents. Journal of the American Chemical Society, 2021, 143, 9082-9093.	13.7	19
59	Quantum control fields from instantaneous dynamics. Chemical Physics Letters, 2004, 398, 180-185.	2.6	18
60	Local control theory applied to coupled electronic and nuclear motion. Chemical Physics, 2006, 329, 118-125.	1.9	18
61	Ab initioperspective on the Mollwo-Ivey relation for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>F</mml:mi></mml:mrow></mml:math>centers in alkali halides. Physical Review B, 2015, 92, .	3.2	17
62	Population transfer in the multiphoton excitation of molecules. Physical Review A, 2005, 72, .	2.5	16
63	Strong-field dressing of vibrational manifolds within ultrafast coherent Raman excitation. Journal of Raman Spectroscopy, 2007, 38, 998-1005.	2.5	16
64	In situ spectroelectrochemical and theoretical study on the oxidation of a 4H-imidazole-ruthenium dye adsorbed on nanocrystalline TiO₂thin film electrodes. Physical Chemistry Chemical Physics, 2015, 17, 29637-29646.	2.8	16
65	And yet they glow: thiazole based pushâ€“pull fluorophores containing nitro groups and the influence of regioisomerism. Methods and Applications in Fluorescence, 2015, 3, 025005.	2.3	16
66	Strong-field polarizability-enhanced dissociative ionization. Physical Review A, 2018, 98, .	2.5	16
67	Imaging an isolated water molecule using a single electron wave packet. Journal of Chemical Physics, 2019, 151, 024306.	3.0	16
68	Excited-State Switching Frustrates the Tuning of Properties in Triphenylamine-Donor-Ligand Rhenium(I) and Platinum(II) Complexes. Inorganic Chemistry, 2020, 59, 6736-6746.	4.0	16
69	Chemical Enhancement vs Moleculeâ€“Substrate Geometry in Plasmon-Enhanced Spectroscopy. ACS Photonics, 2021, 8, 2243-2255.	6.6	16
70	Hydrogen Production at a NiO Photocathode Based on a Ruthenium Dyeâ€“Cobalt Diimine Dioxime Catalyst Assembly: Insights from Advanced Spectroscopy and Post-operando Characterization. ACS Applied Materials & Interfaces, 2021, 13, 49802-49815.	8.0	16
71	Effect of the Catalytic Center on the Electron Transfer Dynamics in Hydrogen-Evolving Ruthenium-Based Photocatalysts Investigated by Theoretical Calculations. Journal of Physical Chemistry C, 2019, 123, 16003-16013.	3.1	15
72	Twoâ€Photonâ€Induced COâ€Releasing Molecules as Molecular Logic Systems in Solution, Polymers, and Cells. Chemistry - A European Journal, 2019, 25, 8453-8458.	3.3	15

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73	Excitation Energy-Dependent Branching Dynamics Determines Photostability of Iron(II)â€“Mesoionic Carbene Complexes. Inorganic Chemistry, 2021, 60, 9157-9173.	4.0	15
74	Fingerprints of Adiabatic versus Diabatic Vibronic Dynamics in the Asymmetry of Photoelectron Momentum Distributions. Journal of Physical Chemistry Letters, 2012, 3, 2617-2620.	4.6	14
75	Sensitization of NOâ€Releasing Ruthenium Complexes to Visible Light. Chemistry - A European Journal, 2015, 21, 15554-15563.	3.3	14
76	Photophysics of a Ruthenium 4Hâ€Imidazole Panchromatic Dye in Interaction with Titanium Dioxide. ChemPhysChem, 2015, 16, 1061-1070.	2.1	14
77	Theoretical investigation of alignment-dependent intense-field fragmentation of acetylene. Physical Review A, 2016, 94, .	2.5	14
78	Molecular self-healing mechanisms between C₆₀-fullerene and anthracene unveiled by Raman and two-dimensional correlation spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 17973-17982.	2.8	14
79	Electronic predissociation: a model study. European Physical Journal D, 2004, 30, 327-333.	1.3	13
80	Extended charge accumulation in rutheniumâ€“4H-imidazole-based black absorbers: a theoretical design concept. Physical Chemistry Chemical Physics, 2016, 18, 13357-13367.	2.8	13
81	Role of MLCT States in the Franckâ€“Condon Region of Neutral, Heteroleptic Cu(I)â€“4H-imidazolate Complexes: A Spectroscopic and Theoretical Study. Journal of Physical Chemistry A, 2020, 124, 6607-6616.	2.5	13
82	Covalent Linkage of BODIPYâ€Photosensitizers to Andersonâ€Type Polyoxometalates Using CLICK Chemistry. Chemistry - A European Journal, 2021, 27, 17181-17187.	3.3	13
83	Laser-induced electron diffraction of the ultrafast umbrella motion in ammonia. Structural Dynamics, 2021, 8, 014301.	2.3	13
84	Are charged tips driving TERS-resolution? A full quantum chemical approach. Journal of Chemical Physics, 2021, 154, 034106.	3.0	13
85	Approaches to Wave Packet Imaging Using Femtosecond Ionization Spectroscopyâ€. Journal of Physical Chemistry A, 2004, 108, 8954-8960.	2.5	12
86	Time- and frequency-resolved coherent anti-Stokes Raman scattering spectroscopy with sub-25fs laser pulses. Journal of Chemical Physics, 2008, 128, 244310.	3.0	12
87	Synthesis, properties and quantum chemical evaluation of solvatochromic pyridinium-phenyl-1,3-thiazol-4-olate betaine dyes. Tetrahedron, 2013, 69, 1489-1498.	1.9	12
88	Theoretical Investigation of the Electronâ€Transfer Dynamics and Photodegradation Pathways in a Hydrogenâ€Evolving Rutheniumâ€“Palladium Photocatalyst. Chemistry - A European Journal, 2018, 24, 11166-11176.	3.3	12
89	Excited state properties of a series of molecular photocatalysts investigated by time dependent density functional theory. Physical Chemistry Chemical Physics, 2019, 21, 9052-9060.	2.8	12
90	Strong Ligand Stabilization Based on Ï€â€Extension in a Series of Ruthenium Terpyridine Water Oxidation Catalysts. Chemistry - A European Journal, 2021, 27, 16871-16878.	3.3	12

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91	Imprints of the Molecular Electronic Structure in the Photoelectron Spectra of Strong-Field Ionized Asymmetric Triatomic Model Molecules. Physical Review Letters, 2018, 120, 233202.	7.8	11
92	Metalâ€Free Aryl Crossâ€Coupling Directed by Traceless Linkers. Chemistry - A European Journal, 2019, 25, 16068-16073.	3.3	11
93	Spatially Resolving the Enhancement Effect in Surface-Enhanced Coherent Anti-Stokes Raman Scattering by Plasmonic Doppler Gratings. ACS Nano, 2021, 15, 809-818.	14.6	11
94	Quantum control of electron wave packets in bound molecules by trains of half-cycle pulses. Physical Review A, 2011, 84, .	2.5	10
95	Synthesis of three series of ruthenium tris-diimine complexes containing acridine-based Ï€-extended ligands using an efficient â€œchemistry on the complexâ€•approach. Dalton Transactions, 2016, 45, 16298-16308.	3.3	10
96	Photophysics of a Ruthenium Complex with a Ï€-Extended Dipyridophenazine Ligand for DNA Quadruplex Labeling. Journal of Physical Chemistry A, 2018, 122, 6558-6569.	2.5	10
97	Visible light-activated biocompatible photo-CORM for CO-release with colorimetric and fluorometric dual turn-on response. Polyhedron, 2019, 172, 175-181.	2.2	10
98	A Highly Fluorescent Dinuclear Aluminium Complex with Nearâ€Unity Quantum Yield**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	10
99	Highly fluorescent single crystals of a 4-ethoxy-1,3-thiazole. Dyes and Pigments, 2018, 149, 644-651.	3.7	9
100	Palladiumâ€SCS Pincer Complexes as Crossâ€Linking Moieties in Selfâ€Healing Metallopolymers. Macromolecular Rapid Communications, 2018, 39, e1800495.	3.9	9
101	Unraveling the Lightâ€Activated Reaction Mechanism in a Catalytically Competent Key Intermediate of a Multifunctional Molecular Catalyst for Artificial Photosynthesis. Angewandte Chemie, 2019, 131, 13274-13282.	2.0	9
102	Reaction Mechanism of Pdâ€Catalyzed â€œCOâ€Freeâ€•Carbonylation Reaction Uncovered by In Situ Spectroscopy: The Formyl Mechanism. Angewandte Chemie - International Edition, 2021, 60, 3422-3427.	13.8	9
103	Z-Selective phosphine promoted 1,4-reduction of ynoates and propynoic amides in the presence of water. Organic and Biomolecular Chemistry, 2021, 19, 6092-6097.	2.8	9
104	Deepâ€Red Luminescent Molybdenum(0) Complexes with Biâ€•and Tridentate Isocyanide Chelate Ligands. ChemPhotoChem, 2022, 6, .	3.0	9
105	Spectroelectrochemical Investigation of the Oneâ€Electron Reduction of Nonplanar Nickel(II) Porphyrins. ChemPhysChem, 2016, 17, 3480-3493.	2.1	8
106	Iron(0)â€Mediated Stereoselective (3+2)â€Cycloaddition of Thiochalcones via a Diradical Intermediate. Chemistry - A European Journal, 2020, 26, 11412-11416.	3.3	8
107	Post-Ionization Dynamics of the Polar Molecule OCS in Asymmetric Laser Fields. Frontiers in Chemistry, 2022, 10, 859750.	3.6	8
108	On the limitations of adiabatic population transfer between molecular electronic states induced by intense femtosecond laser pulses. Journal of Chemical Physics, 2007, 127, 134306.	3.0	7

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109	Hydrogel-Embedded Model Photocatalytic System Investigated by Raman and IR Spectroscopy Assisted by Density Functional Theory Calculations and Two-Dimensional Correlation Analysis. Journal of Physical Chemistry A, 2018, 122, 2677-2687.	2.5	7
110	Dissociation and ionization of HeH⁺ in sub-cycle-controlled intense two-color fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 174001.	1.5	7
111	pH sensors based on amino-terminated carbon nanomembrane and single-layer graphene van der Waals heterostructures. Applied Physics Reviews, 2021, 8, 031410.	11.3	7
112	Towards synthetic unimolecular [Fe2S2]-photocatalysts sensitized by perylene dyes. Dyes and Pigments, 2022, 198, 109940.	3.7	7
113	Novel [FeFe]-Hydrogenase Mimics: Unexpected Course of the Reaction of Ferrocenyl Î±-Thienyl Thioketone with Fe3(CO)12. Materials, 2022, 15, 2867.	2.9	7
114	Classical aspects emerging from local control of energy and particle transfer in molecules. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 180, 271-276.	3.9	6
115	On the electron localization dynamics induced by laser-driven electronic rescattering. Journal of Modern Optics, 2008, 55, 2557-2572.	1.3	6
116	Spin-dependent rescattering in strong-field ionization of helium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 065001.	1.5	6
117	Fate of Photoexcited Molecular Antennae - Intermolecular Energy Transfer versus Photodegradation Assessed by Quantum Dynamics. Journal of Physical Chemistry C, 2018, 122, 3273-3285.	3.1	6
118	The impact of electronâ€“electron correlation in ultrafast attosecond single ionization dynamics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 144005.	1.5	6
119	A Molecular Photosensitizer in a Porous Block Copolymer Matrixâ€Implications for the Design of Photocatalytically Active Membranes. Chemistry - A European Journal, 2021, 27, 17049-17058.	3.3	6
120	Activating a [FeFe] Hydrogenase Mimic for Hydrogen Evolution under Visible Light**. Angewandte Chemie - International Edition, 2022, , .	13.8	6
121	Unravelling the Mystery: Enlightenment of the Uncommon Electrochemistry of Naphthalene Monoimide [FeFe] Hydrogenase Mimics. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	6
122	Synthesis and Characterization of Ga^{III}, In^{III} and Lu^{III} Complexes of a Set of dtpa Bisâ€Amide Ligands. European Journal of Inorganic Chemistry, 2015, 2015, 4125-4137.	2.0	5
123	Laser-Driven Anharmonic Oscillator: Ground-State Dissociation of the Helium Hydride Molecular Ion by Midinfrared Pulses. Physical Review Letters, 2021, 127, 043202.	7.8	5
124	Modulating the Excited-State Decay Pathways of Cu(I) 4H-Imidazolate Complexes by Excitation Wavelength and Ligand Backbone. Journal of Physical Chemistry B, 2021, 125, 11498-11511.	2.6	5
125	Coupling of photoactive transition metal complexes to a functional polymer matrix**. Chemistry - A European Journal, 2021, 27, 17104-17114.	3.3	5
126	A Combined Spectroscopic and Theoretical Study on a Ruthenium Complex Featuring a Ï€â€Extended dppz Ligand for Lightâ€Driven Accumulation of Multiple Reducing Equivalents. Chemistry - A European Journal, 2022, 28, e202103882.	3.3	5

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127	Ligandâ€Induced Donor State Destabilisation â€“ A New Route to Panchromatically Absorbing Cu(I) Complexes. Chemistry - A European Journal, 2022, , .	3.3	5
128	Indirect versus direct photoionization with ultrashort pulses: interferences and time-resolved bond-length changes. Chemical Physics Letters, 2004, 385, 60-65.	2.6	4
129	Time-resolved photoelectron spectroscopy of IR-driven electron dynamics in a charge transfer model system. Physical Chemistry Chemical Physics, 2017, 19, 19683-19690.	2.8	4
130	Strong-field ionization of asymmetric triatomic model molecules by few-cycle circularly polarized laser pulses. Journal of Modern Optics, 2017, 64, 1104-1111.	1.3	4
131	Lightâ€Driven Multiâ€Charge Separation in a Pushâ€Pull Rutheniumâ€Based Photosensitizer â€“ Assessed by RASSCF and TDDFT Simulations. ChemPhotoChem, 2022, 6, .	3.0	4
132	On the control of resonant versus non-resonant electronic transitions in molecular photodissociation. Chemical Physics Letters, 2005, 414, 17-22.	2.6	3
133	Experimental Observation of Different-Order Components of a Vibrational Wave Packet in a Bulk Dielectric Using High-Order Raman Scattering. Physical Review Letters, 2007, 98, 187402.	7.8	3
134	Strong-field ionization dynamics of asymmetric equilateral triatomic model molecules in circularly polarized laser fields. Physical Review A, 2019, 99, .	2.5	3
135	Tetraaryl Cyclopentadienones: Experimental and Theoretical Insights into Negative Solvatochromism and Electrochemistry. European Journal of Organic Chemistry, 2020, 2020, 6555-6562.	2.4	3
136	Reaction Mechanism of Pdâ€Catalyzed â€œCOâ€Freeâ€•Carbonylation Reaction Uncovered by In Situ Spectroscopy: The Formyl Mechanism. Angewandte Chemie, 2021, 133, 3464-3469.	2.0	3
137	Lightâ€“matter quantum dynamics of complex laser-driven systems. Journal of Chemical Physics, 2021, 154, 234106.	3.0	3
138	The role of anchoring groups in ruthenium(II)-bipyridine sensitized p-type semiconductor solar cellsâ€”a quantum chemical approach. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 234001.	1.5	3
139	Towards an ab initio description of the charge transfer between a proton and a lithium fluoride surface: A quantum chemistry approach. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 18-22.	1.4	2
140	Unusually Short-Lived Solvent-Dependent Excited State in a Half-Sandwich Ru(II) Complex Induced by Low-Lying ³MC States. Journal of Physical Chemistry A, 2018, 122, 1550-1559.	2.5	2
141	Tuning the metalâ€“ligand bond in theÏƒâ€complexes of stannylenes and azabenzenes. Journal of Computational Chemistry, 2021, 42, 2103-2115.	3.3	2
142	Cationic molecular wave packets: â€œSettinâ€™ the paceâ€• Journal of Chemical Physics, 2002, 116, 4762.	3.0	1
143	Controlling molecular isomerization and fragmentation with laser-induced electron recollision. , 2013, , .		1
144	New insights into the biphasic â€œCO-freeâ€•Pausonâ€“Khand cyclisation reaction through combinedin situspectroscopy and multiple linear regression modelling. Catalysis Science and Technology, 2021, 11, 1626-1636.	4.1	1

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145	Attosecond Photoelectron Spectroscopy of Electron Tunneling in Dissociating Hydrogen Molecular Ion. Springer Series in Chemical Physics, 2009, , 57-59.	0.2	1
146	Metalâ€“ligand bonding in tricarbonyliron(0) complexes bearing thiochalcone ligands. New Journal of Chemistry, 2022, 46, 12924-12933.	2.8	1
147	Measuring the influence of the Coulomb binding potential on the trajectories of strong-field driven electronic wave packets. , 2011, , .		0
148	Controlling and reading interference structures created by strong field ionizing attosecond electron wave packets. , 2011, , .		0
149	Quantum Control of Electron Wavepacket Dynamics in Molecules by Trains of Half-Cycle Pulses. Journal of Physics: Conference Series, 2012, 388, 012033.	0.4	0
150	Low energy peak features in atomic ionization by mid-infrared laser pulses. Journal of Physics: Conference Series, 2012, 388, 032042.	0.4	0
151	Controlling and reading interference structures created by strong field ionizing attosecond electron wave packets. Journal of Physics: Conference Series, 2012, 388, 032059.	0.4	0
152	Observing the influence of the Coulomb binding potential on momentum spectra of strong-field driven electronic wave packets. Journal of Physics: Conference Series, 2012, 388, 032060.	0.4	0
153	Control of fragmentation reactions in impulsively aligned polyatomic molecules by selective removal of inner-valence electrons. , 2013, , .		0
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