

Tobias Brixner

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.

174
papers

9,479
citations

43
h-index

95
g-index

199
ext. papers

10,478
ext. citations

6.1
avg, IF

5.99
L-index

#	Paper	IF	Citations
174	Hybridized Exciton-Photon-Phonon States in a Transition Metal Dichalcogenide van der Waals Heterostructure Microcavity.. <i>Physical Review Letters</i> , 2022 , 128, 087401	7.4	2
173	Anisotropy in fifth-order exciton-exciton-interaction two-dimensional spectroscopy. <i>Journal of Chemical Physics</i> , 2021 , 154, 154202	3.9	2
172	Coherent two-dimensional electronic spectroelectrochemistry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 253, 119567	4.4	1
171	Femtosecond dynamics of diphenylpropynylidene in ethanol and dichloromethane. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 254, 119606	4.4	
170	Fluorescence-Detected Pump-Probe Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 18867-18875	16.4	2
169	Fluoreszenz-detektierte Pump-Probe-Spektroskopie. <i>Angewandte Chemie</i> , 2021 , 133, 19015-19024	3.6	
168	Observing Multiexciton Correlations in Colloidal Semiconductor Quantum Dots Multiple-Quantum Two-Dimensional Fluorescence Spectroscopy. <i>ACS Nano</i> , 2021 , 15, 4647-4657	16.7	9
167	Exciton-phonon coupling strength in single-layer MoSe at room temperature. <i>Nature Communications</i> , 2021 , 12, 954	17.4	9
166	Coherent 2D electronic spectroscopy with complete characterization of excitation pulses during all scanning steps. <i>Optics Express</i> , 2021 , 29, 4191-4209	3.3	1
165	An excited state dynamics driven reaction: wavelength-dependent photoisomerization quantum yields in [Ru(bpy)(dms)]. <i>Chemical Science</i> , 2020 , 11, 5797-5807	9.4	3
164	Molecular Coherent Three-Quantum Two-Dimensional Fluorescence Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 5139-5147	6.4	8
163	Direct observation of -benzyne formation in photochemical hexadehydro-Diels-Alder (-HDDA) reactions. <i>Chemical Science</i> , 2020 , 11, 9198-9208	9.4	6
162	Correlating Nanoscale Optical Coherence Length and Microscale Topography in Organic Materials by Coherent Two-Dimensional Microspectroscopy. <i>Nano Letters</i> , 2020 , 20, 6452-6458	11.5	4
161	Signatures of exciton dynamics and interaction in coherently and fluorescence-detected four- and six-wave-mixing two-dimensional electronic spectroscopy. <i>Journal of Chemical Physics</i> , 2020 , 153, 144204	4.9	12
160	Coherently and fluorescence-detected two-dimensional electronic spectroscopy: direct comparison on squaraine dimers. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 21222-21237	3.6	12
159	Spatially resolved coherent 2D fluorescence spectroscopy within a high-NA microscope. <i>EPJ Web of Conferences</i> , 2019 , 205, 03014	0.3	
158	Fluorescence-detected two-quantum and one-quantum-two-quantum 2D electronic spectroscopy of Rhodamine 700. <i>EPJ Web of Conferences</i> , 2019 , 205, 03012	0.3	

157	Time-resolved photoemission electron microscopy of a plasmonic slit resonator using 1 MHz, 25 fs, UV-to-NIR-tunable pulses. <i>EPJ Web of Conferences</i> , 2019 , 205, 08002	0.3	1
156	Spatial Variations in Femtosecond Field Dynamics within a Plasmonic Nanoresonator Mode. <i>Nano Letters</i> , 2019 , 19, 4651-4658	11.5	7
155	Mapping of exciton-exciton annihilation in a molecular dimer via fifth-order femtosecond two-dimensional spectroscopy. <i>Journal of Chemical Physics</i> , 2019 , 150, 104304	3.9	13
154	Interplay between structural hierarchy and exciton diffusion in artificial light harvesting. <i>Nature Communications</i> , 2019 , 10, 4615	17.4	24
153	Rapid multiple-quantum three-dimensional fluorescence spectroscopy disentangles quantum pathways. <i>Nature Communications</i> , 2019 , 10, 4735	17.4	15
152	From wavelike to sub-diffusive motion: exciton dynamics and interaction in squaraine copolymers of varying length. <i>Chemical Science</i> , 2019 , 11, 456-466	9.4	18
151	Space- and time-resolved UV-to-NIR surface spectroscopy and 2D nanoscopy at 1 MHz repetition rate. <i>Review of Scientific Instruments</i> , 2019 , 90, 113103	1.7	11
150	Ultrafast intramolecular energy transfer in a nanostructured organosilicon luminophore based on p-terphenyl and 1,4-bis(5-phenyloxazol-2-yl)benzene. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 14612-14624	7.1	3
149	The origin of the solvent dependence of fluorescence quantum yields in dipolar merocyanine dyes. <i>Chemical Science</i> , 2019 , 10, 11013-11022	9.4	34
148	Fluorescence-Detected Two-Quantum and One-Quantum-Two-Quantum 2D Electronic Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 1964-1969	6.4	25
147	Coherent two-dimensional fluorescence micro-spectroscopy. <i>Optics Express</i> , 2018 , 26, 3915-3925	3.3	32
146	Disentangling the photochemistry of benzocyclobutenedione. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 15434-15444	3.6	3
145	Coherent two-dimensional electronic mass spectrometry. <i>Nature Communications</i> , 2018 , 9, 2519	17.4	23
144	Direct observation of exciton-exciton interactions. <i>Nature Communications</i> , 2018 , 9, 2466	17.4	52
143	Solvent-Templated Folding of Perylene Bisimide Macrocycles into Coiled Double-String Ropes with Solvent-Sensitive Optical Signatures. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2014-2021	16.4	35
142	Analytic Optimization of Near-Field Optical Chirality Enhancement. <i>ACS Photonics</i> , 2017 , 4, 396-406	6.3	32
141	Unraveling the structure and exciton coupling for multichromophoric merocyanine dye molecules. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 6368-6378	3.6	6
140	Optimizing sparse sampling for 2D electronic spectroscopy. <i>Journal of Chemical Physics</i> , 2017 , 146, 084201	9.1	10

139	Ultrafast isomerization in a difluoroboryl-coordinated molecular switch. <i>Chemical Physics Letters</i> , 2017 , 683, 83-90	2.5	2
138	Exciton Transport in Molecular Aggregates [From Natural Antennas to Synthetic Chromophore Systems. <i>Advanced Energy Materials</i> , 2017 , 7, 1700236	21.8	173
137	Cavity-assisted ultrafast long-range periodic energy transfer between plasmonic nanoantennas. <i>Light: Science and Applications</i> , 2017 , 6, e17111	16.7	25
136	Mapping of exciton-exciton annihilation in MEH-PPV by time-resolved spectroscopy: experiment and microscopic theory. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 31989-31996	3.6	10
135	Rapid-scan coherent 2D fluorescence spectroscopy. <i>Optics Express</i> , 2017 , 25, 3259-3267	3.3	56
134	Generating laser-pulse enantiomers. <i>Optics Express</i> , 2017 , 25, 21735-21752	3.3	4
133	Determination of local optical response functions of nanostructures with increasing complexity by using single and coupled Lorentzian oscillator models. <i>Applied Physics B: Lasers and Optics</i> , 2016 , 122, 1	1.9	15
132	Chirality-Sensitive Ultrafast Spectroscopy 2016 ,		1
131	Multidimensional Electronic Spectroscopy in Molecular Beams with Mass-Resolved Ion Detection 2016 ,		1
130	Broadband 7-fs diffractive-optic-based 2D electronic spectroscopy using hollow-core fiber compression. <i>Optics Express</i> , 2016 , 24, 20781-91	3.3	33
129	The role of the dipolar neighborhood on the relaxation dynamics of multichromophoric merocyanines. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 19820-31	3.6	3
128	Identification of photofragmentation patterns in trihalide anions by global analysis of vibrational wavepacket dynamics in broadband transient absorption data. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 33287-33302	3.6	13
127	Two-dimensional electronic spectroscopy can fully characterize the population transfer in molecular systems. <i>Journal of Chemical Physics</i> , 2016 , 145, 124312	3.9	18
126	Excited-state intramolecular proton transfer of 2-acetyllindan-1,3-dione studied by ultrafast absorption and fluorescence spectroscopy. <i>Structural Dynamics</i> , 2016 , 3, 023606	3.2	17
125	Investigation of the nonlinear refractive index of single-crystalline thin gold films and plasmonic nanostructures. <i>Applied Physics B: Lasers and Optics</i> , 2016 , 122, 1	1.9	2
124	Relaxation dynamics and exciton energy transfer in the low-temperature phase of MEH-PPV. <i>Journal of Chemical Physics</i> , 2015 , 142, 212429	3.9	17
123	Ultrafast Energy Transfer between Disordered and Highly Planarized Chains of Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene] (MEH-PPV). <i>ACS Macro Letters</i> , 2015 , 4, 412-416	6.6	21
122	Monitoring ultrafast intramolecular proton transfer processes in an unsymmetric β -diketone. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 8459-66	3.6	33

121	Full vector-field control of ultrashort laser pulses utilizing a single dual-layer spatial light modulator in a common-path setup. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015 , 32, 933	1.7	16
120	Perfect absorption in nanotextured thin films via Anderson-localized photon modes. <i>Nature Photonics</i> , 2015 , 9, 663-668	33.9	39
119	Multidimensionale elektronische Spektroskopie photochemischer Reaktionen. <i>Angewandte Chemie</i> , 2015 , 127, 11526-11546	3.6	5
118	Multidimensional Electronic Spectroscopy of Photochemical Reactions. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11368-86	16.4	77
117	Energy Transfer Between Squaraine Polymer Sections: From Helix to Zigzag and All the Way Back. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7851-61	16.4	41
116	Optical discrimination of racemic from achiral solutions. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 6340-6	3.6	7
115	Discriminating Racemic from Achiral Solutions with Femtosecond Accumulative Spectroscopy. <i>Springer Proceedings in Physics</i> , 2015 , 369-372	0.2	
114	The Ultrafast Wolff Rearrangement in the Gas Phase. <i>Springer Proceedings in Physics</i> , 2015 , 180-183	0.2	
113	Ultrafast UV-induced photoisomerization of intramolecularly H-bonded symmetric β -diketones. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14981-9	16.4	40
112	Coherent Control of Plasmon Propagation in a Nanocircuit. <i>Physical Review Applied</i> , 2014 , 1,	4.3	43
111	Ultrafast photofragment ion spectroscopy of the Wolff rearrangement in 5-diazo Meldrum acid. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 7290-8	3.6	7
110	Photoisomerization among ring-open merocyanines. II. A computational study. <i>Journal of Chemical Physics</i> , 2014 , 140, 224311	3.9	15
109	Measuring Charge-Separation Dynamics via Oligomer Length Variation. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 23586-23598	3.8	6
108	Multidimensional spectroscopy of photoreactivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 4764-9	11.5	46
107	Photoisomerization among ring-open merocyanines. I. Reaction dynamics and wave-packet oscillations induced by tunable femtosecond pulses. <i>Journal of Chemical Physics</i> , 2014 , 140, 224310	3.9	25
106	100-kHz shot-to-shot broadband data acquisition for high-repetition-rate pump-probe spectroscopy. <i>Optics Express</i> , 2014 , 22, 16965-75	3.3	30
105	Shaping and spatiotemporal characterization of sub-10-fs pulses focused by a high-NA objective. <i>Optics Express</i> , 2014 , 22, 31496-510	3.3	14
104	Quantum control spectroscopy of competing reaction pathways in a molecular switch. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 11364-72	2.8	12

103	Generalized magic angle for time-resolved spectroscopy with laser pulses of arbitrary ellipticity. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 124014	1.3	25
102	Ultrafast Photochemistry of a Manganese-Tricarbonyl CO-Releasing Molecule (CORM) in Aqueous Solution. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 596-602	6.4	37
101	Photophysics of delocalized excitons in carbazole dendrimers. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 6270-8	2.8	17
100	Precise and Rapid Detection of Optical Activity for Accumulative Femtosecond Spectroscopy. <i>EPJ Web of Conferences</i> , 2013 , 41, 12011	0.3	
99	Tracing the steps of photoinduced chemical reactions in organic molecules by coherent two-dimensional electronic spectroscopy using triggered exchange. <i>Physical Review Letters</i> , 2013 , 110, 148305	7.4	22
98	Similarities and differences in the optical response of perylene-based hetero-bichromophores and their monomeric units. <i>ChemPhysChem</i> , 2013 , 14, 1413-22	3.2	7
97	Multimode plasmon excitation and in situ analysis in top-down fabricated nanocircuits. <i>Physical Review Letters</i> , 2013 , 111, 183901	7.4	34
96	Coherent two-dimensional electronic spectroscopy in the Soret band of a chiral porphyrin dimer. <i>New Journal of Physics</i> , 2013 , 15, 025006	2.9	12
95	Exploring Higher-Lying Electronic States of a Molecular Switch by Coherent Triggered-Exchange 2D Electronic Spectroscopy. <i>EPJ Web of Conferences</i> , 2013 , 41, 05001	0.3	
94	Femtosecond Mid-Infrared Study of the Aqueous Solution Photochemistry of a CO-Releasing Molecule (CORM). <i>EPJ Web of Conferences</i> , 2013 , 41, 05004	0.3	
93	Coherent spectroscopies on ultrashort time and length scales. <i>EPJ Web of Conferences</i> , 2013 , 41, 09017	0.3	1
92	Nano-Optical Control of Hot-Spot Field Superenhancement on a Corrugated Silver Surface. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012 , 18, 275-282	3.8	15
91	Ultrafast charge-transfer dynamics of donor-substituted truxenones. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 11081-9	3.6	3
90	Ultrafast plasmon propagation in nanowires characterized by far-field spectral interferometry. <i>Nano Letters</i> , 2012 , 12, 45-9	11.5	71
89	Ultrafast exciton dynamics after Soret- or Q-band excitation of a directly linked bisporphyrin. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 8038-50	3.6	31
88	The von Neumann representation as a joint time-frequency parameterization for polarization-shaped femtosecond laser pulses. <i>Applied Physics B: Lasers and Optics</i> , 2012 , 107, 1-9	1.9	3
87	Precise and rapid detection of optical activity for accumulative femtosecond spectroscopy. <i>Optics Express</i> , 2012 , 20, 11838-54	3.3	8
86	Spectral-interference microscopy for characterization of functional plasmonic elements. <i>Optics Express</i> , 2012 , 20, 14632-47	3.3	8

85	Optimal open-loop near-field control of plasmonic nanostructures. <i>New Journal of Physics</i> , 2012 , 14, 033030	2.9	20
84	Reaction dynamics of a molecular switch unveiled by coherent two-dimensional electronic spectroscopy. <i>Journal of the American Chemical Society</i> , 2011 , 133, 13074-80	16.4	54
83	Adaptive coherent control using the von Neumann basis. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 8627-36	3.6	7
82	Coherent two-dimensional nanoscopy. <i>Science</i> , 2011 , 333, 1723-6	33.3	173
81	Ring-closure and isomerization capabilities of spiropyran-derived merocyanine isomers. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 3924-35	2.8	46
80	Molecular quantum control landscapes in von Neumann time-frequency phase space. <i>Journal of Chemical Physics</i> , 2010 , 133, 164510	3.9	15
79	Ultrafast multisequential photochemistry of 5-diazo Meldrum acid. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15213-22	16.4	27
78	Ultrafast bidirectional photoswitching of a spiropyran. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16510-9	16.4	111
77	Subwavelength broadband splitters and switches for femtosecond plasmonic signals. <i>Optics Express</i> , 2010 , 18, 11810-20	3.3	25
76	Coherent two-dimensional ultraviolet spectroscopy in fully noncollinear geometry. <i>Optics Letters</i> , 2010 , 35, 4178-80	3	68
75	Synthesis and Electron Transfer Characteristics of a Neutral, Low-Band-Gap, Mixed-Valence Polyradical. <i>Chemistry of Materials</i> , 2010 , 22, 6641-6655	9.6	32
74	Spatiotemporal control of nanooptical excitations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 5329-33	11.5	121
73	Polarization-shaped femtosecond laser pulses in the ultraviolet. <i>Journal of Optics</i> , 2009 , 11, 085202		16
72	Analytic coherent control of plasmon propagation in nanostructures. <i>Optics Express</i> , 2009 , 17, 14235-59	3.3	62
71	Ultrafast photoconversion of the green fluorescent protein studied by accumulative femtosecond spectroscopy. <i>Biophysical Journal</i> , 2009 , 96, 2763-70	2.9	23
70	Deterministic spatiotemporal control of optical fields in nanoantennas and plasmonic circuits. <i>Physical Review B</i> , 2009 , 79,	3.3	53
69	Accurate and efficient implementation of the von Neumann representation for laser pulses with discrete and finite spectra. <i>New Journal of Physics</i> , 2009 , 11, 105052	2.9	12
68	Quantum Control of the Photoinduced Wolff Rearrangement of Diazonaphthoquinone in the Condensed Phase Using Mid-Infrared Spectroscopy. <i>Springer Series in Chemical Physics</i> , 2009 , 433-435	0.3	

67	Simultaneous Spatial and Temporal Control of Nanooptical Fields. <i>Springer Series in Chemical Physics</i> , 2009 , 705-707	0.3	
66	Generation of polarization-shaped ultraviolet femtosecond pulses. <i>Optics Letters</i> , 2008 , 33, 803-5	3	26
65	Inherently phase-stable coherent two-dimensional spectroscopy using only conventional optics. <i>Optics Letters</i> , 2008 , 33, 2851-3	3	81
64	Femtosecond midinfrared study of the photoinduced Wolff rearrangement of diazonaphthoquinone. <i>Journal of Chemical Physics</i> , 2008 , 129, 094504	3.9	24
63	Quantum control of the photoinduced Wolff rearrangement of diazonaphthoquinone in the condensed phase. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008 , 41, 074025	1.3	20
62	Molecular dump processes induced by chirped laser pulses. <i>Journal of Chemical Physics</i> , 2008 , 129, 074303		8
61	Modelling of ultrafast coherent strong-field dynamics in potassium with neural networks. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008 , 41, 074019	1.3	10
60	Experimental implementation of ultrashort laser pulses in the von Neumann picture. <i>Applied Physics B: Lasers and Optics</i> , 2008 , 93, 763-772	1.9	5
59	Adaptive subwavelength control of nano-optical fields. <i>Nature</i> , 2007 , 446, 301-4	50.4	424
58	Generation of shaped ultraviolet pulses at the third harmonic of titanium-sapphire femtosecond laser radiation. <i>Applied Physics B: Lasers and Optics</i> , 2007 , 88, 519-526	1.9	29
57	Field control in the tight focus of polarization-shaped laser pulses. <i>Applied Physics B: Lasers and Optics</i> , 2007 , 89, 553-558	1.9	5
56	Properties of wave packets deduced from quantum control fitness landscapes. <i>Europhysics Letters</i> , 2007 , 80, 53001	1.6	22
55	Nanoscale force manipulation in the vicinity of a metal nanostructure. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007 , 40, S249-S258	1.3	11
54	Adaptive Sub-Wavelength Control of Nano-Optical Fields 2007 , LWD2		
53	Modeling of light-matter interactions with neural networks. <i>Physical Review A</i> , 2007 , 76,	2.6	6
52	Product accumulation for ultrasensitive femtochemistry. <i>Optics Letters</i> , 2007 , 32, 3346-8	3	12
51	Programmable common-path vector field synthesizer for femtosecond pulses. <i>Optics Letters</i> , 2007 , 32, 3379-81	3	52
50	The von Neumann picture: a new representation for ultrashort laser pulses. <i>Optics Express</i> , 2007 , 15, 15387-401	3.3	27

49	Femtosecond quantum control of molecular dynamics in the condensed phase. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 2470-97	3.6	237
48	Adaptive Control of Nanoscopic Photoelectron Emission. <i>Springer Series in Chemical Physics</i> , 2007 , 633-635		
47	Ultrafast adaptive optical near-field control. <i>Physical Review B</i> , 2006 , 73,	3.3	42
46	Rotation-translation device for condensed-phase spectroscopy with small sample volumes. <i>Review of Scientific Instruments</i> , 2006 , 77, 083113	1.7	12
45	Analysis of femtosecond quantum control mechanisms with colored double pulses. <i>Physical Review A</i> , 2006 , 74,	2.6	47
44	Two-dimensional electronic spectroscopy of the B800-B820 light-harvesting complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 12672-7	11.5	181
43	Heterogeneous exciton dynamics revealed by two-dimensional optical spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 20032-7	3.4	45
42	Electronic 2D Spectroscopy of Light Harvesting 2006 , 331-336		
41	Generation of femtosecond pulse sequences in the ultraviolet by spectral phase modulation 2006 , 6187, 151		3
40	Two Dimensional Electronic Spectroscopy of Molecular Complexes. <i>Journal of the Chinese Chemical Society</i> , 2006 , 53, 15-24	1.5	49
39	Femtosecond pump-shaped-dump quantum control of retinal isomerization in bacteriorhodopsin. <i>Chemical Physics Letters</i> , 2006 , 433, 211-215	2.5	52
38	Adaptive ultrafast nano-optics in a tight focus. <i>Applied Physics B: Lasers and Optics</i> , 2006 , 84, 89-95	1.9	17
37	2D Electronic Spectroscopy of the B800B820 LH3 Light-Harvesting Complex 2006 , 372-376		1
36	Two-Dimensional Optical Heterodyne Spectroscopy of Molecular Complexes. <i>Springer Series in Chemical Physics</i> , 2005 , 554-556	0.3	1
35	SpaceTime Control in Ultrafast Nano-Optics. <i>Springer Series in Chemical Physics</i> , 2005 , 670-672	0.3	
34	Optimal Control of Atomic, Molecular and Electron Dynamics with Tailored Femtosecond Laser Pulses 2005 , 225-266		13
33	Exciton analysis in 2D electronic spectroscopy. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 10542-56	3.4	360
32	Two-dimensional spectroscopy of electronic couplings in photosynthesis. <i>Nature</i> , 2005 , 434, 625-8	50.4	992

31	Nanoscopic ultrafast space-time-resolved spectroscopy. <i>Physical Review Letters</i> , 2005 , 95, 093901	7.4	104
30	Adaptive polarization control of molecular dynamics. <i>Springer Series in Chemical Physics</i> , 2005 , 864-866	0.3	
29	Quantum control by ultrafast polarization shaping. <i>Physical Review Letters</i> , 2004 , 92, 208301	7.4	215
28	Transient Absorption Study of Peridinin and Peridinin-Chlorophyll a-Protein after Two-Photon Excitation. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 10340-10345	3.4	64
27	Phase-stabilized two-dimensional electronic spectroscopy. <i>Journal of Chemical Physics</i> , 2004 , 121, 4221-369	3.6	417
26	Tunable two-dimensional femtosecond spectroscopy. <i>Optics Letters</i> , 2004 , 29, 884-6	3	186
25	Femtosecond shaping of transverse and longitudinal light polarization. <i>Optics Letters</i> , 2004 , 29, 2187-9	3	10
24	Adaptive Quantum Control of Femtochemistry. <i>Physica Scripta</i> , 2004 , 110, 101	2.6	2
23	Adaptive Femtosecond Quantum Control. <i>Springer Series in Optical Sciences</i> , 2004 , 119-128	0.5	
22	Femtosecond learning control of quantum dynamics in gases and liquids: Technology and applications. <i>Journal of Modern Optics</i> , 2003 , 50, 539-560	1.1	26
21	Poincaré representation of polarization-shaped femtosecond laser pulses. <i>Applied Physics B: Lasers and Optics</i> , 2003 , 76, 531-540	1.9	26
20	Quantum control of gas-phase and liquid-phase femtochemistry. <i>ChemPhysChem</i> , 2003 , 4, 418-38	3.2	325
19	Adaptive shaping of femtosecond polarization profiles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003 , 20, 878	1.7	41
18	Liquid-phase adaptive femtosecond quantum control: Removing intrinsic intensity dependencies. <i>Journal of Chemical Physics</i> , 2003 , 118, 3692-3701	3.9	69
17	Adaptive Femtosecond Quantum Control in the Liquid Phase. <i>Springer Series in Chemical Physics</i> , 2003 , 481-483	0.3	
16	Generation and characterization of polarization-shaped femtosecond laser pulses. <i>Applied Physics B: Lasers and Optics</i> , 2002 , 74, s133-s144	1.9	80
15	Time-resolved organometallic photochemistry. <i>Journal of Organometallic Chemistry</i> , 2002 , 661, 199-209	2.3	46
14	Problem complexity in femtosecond quantum control. <i>Chemical Physics</i> , 2001 , 267, 241-246	2.3	59

13	Photoselective adaptive femtosecond quantum control in the liquid phase. <i>Nature</i> , 2001 , 414, 57-60	50.4	372
12	Ultrakurzzeitphysik: Laser-optimierte Femtochemie: Quantenkontrolle durch lernffige Femtosekunden-Laser. <i>Physik Journal</i> , 2001 , 57, 33-39		1
11	Femtosecond Quantum Control. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2001 , 1-54	1.7	89
10	Femtosecond polarization pulse shaping. <i>Optics Letters</i> , 2001 , 26, 557-9	3	269
9	Control of Quantum Dynamics by Adaptive Femtosecond Pulse Shaping. <i>Springer Series in Chemical Physics</i> , 2001 , 19-23	0.3	0
8	Feedback-controlled femtosecond pulse shaping. <i>Applied Physics B: Lasers and Optics</i> , 2000 , 70, S119-S124		43
7	Controlling the Femtochemistry of Fe(CO) ₅ . <i>Journal of Physical Chemistry A</i> , 1999 , 103, 10381-10387	2.8	94
6	Feedback-controlled optimization of amplified femtosecond laser pulses. <i>Applied Physics B: Lasers and Optics</i> , 1999 , 68, 281-284	1.9	70
5	Control of chemical reactions by feedback-optimized phase-shaped femtosecond laser pulses. <i>Science</i> , 1998 , 282, 919-22	33.3	1330
4	Automated Coherent Control of Chemical Reactions and Pulse Compression by an Evolutionary Algorithm with Feedback. <i>Springer Series in Chemical Physics</i> , 1998 , 471-473	0.3	3
3	Femtosecond pulse shaping by an evolutionary algorithm with feedback. <i>Applied Physics B: Lasers and Optics</i> , 1997 , 65, 779-782	1.9	256
2	Coherent control of nano-optical excitations		2
1	Femtosecond learning control of quantum dynamics in gases and liquids: Technology and applications		19