

# Giulio Cerullo

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6957354/giulio-cerullo-publications-by-citations.pdf>

**Version:** 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

645  
papers

23,043  
citations

75  
h-index

126  
g-index

889  
ext. papers

27,005  
ext. citations

6.1  
avg, IF

6.81  
L-index

#	Paper	IF	Citations
645	Conical intersection dynamics of the primary photoisomerization event in vision. <i>Nature</i> , <b>2010</b> , 467, 440-30.4	30.4	651
644	Ultrafast optical parametric amplifiers. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 1-18	1.7	623
643	Femtosecond Dynamics of Excited-State Evolution in. <i>Science</i> , <b>1997</b> , 275, 54-7	33.3	600
642	Tracing photoinduced electron transfer process in conjugated polymer/fullerene bulk heterojunctions in real time. <i>Chemical Physics Letters</i> , <b>2001</b> , 340, 232-236	2.5	516
641	Hot exciton dissociation in polymer solar cells. <i>Nature Materials</i> , <b>2013</b> , 12, 29-33	27	496
640	Coherent ultrafast charge transfer in an organic photovoltaic blend. <i>Science</i> , <b>2014</b> , 344, 1001-5	33.3	381
639	Ultrafast collinear scattering and carrier multiplication in graphene. <i>Nature Communications</i> , <b>2013</b> , 4, 1987	17.4	364
638	Ultrafast dynamics of exciton fission in polycrystalline pentacene. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 11830-3	16.4	331
637	Mode matching in multiresonant plasmonic nanoantennas for enhanced second harmonic generation. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 412-7	28.7	305
636	Real-time observation of ultrafast Rabi oscillations between excitons and plasmons in metal nanostructures with J-aggregates. <i>Nature Photonics</i> , <b>2013</b> , 7, 128-132	33.9	305
635	Femtosecond writing of active optical waveguides with astigmatically shaped beams. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2003</b> , 20, 1559	1.7	260
634	High-energy pulse synthesis with sub-cycle waveform control for strong-field physics. <i>Nature Photonics</i> , <b>2011</b> , 5, 475-479	33.9	227
633	Photosynthetic light harvesting by carotenoids: detection of an intermediate excited state. <i>Science</i> , <b>2002</b> , 298, 2395-8	33.3	220
632	Photo-Induced Bandgap Renormalization Governs the Ultrafast Response of Single-Layer MoS <sub>2</sub> . <i>ACS Nano</i> , <b>2016</b> , 10, 1182-8	16.7	209
631	Sub-8-fs pulses from an ultrabroadband optical parametric amplifier in the visible. <i>Optics Letters</i> , <b>1998</b> , 23, 1283-5	3	200
630	Quantum coherence controls the charge separation in a prototypical artificial light-harvesting system. <i>Nature Communications</i> , <b>2013</b> , 4, 1602	17.4	199
629	Nonadiabatic three-dimensional model of high-order harmonic generation in the few-optical-cycle regime. <i>Physical Review A</i> , <b>2000</b> , 61,	2.6	197

628	Femtosecond laser microstructuring: an enabling tool for optofluidic lab-on-chips. <i>Laser and Photonics Reviews</i> , <b>2011</b> , 5, 442-463	8.3	192
627	Transient Absorption Imaging of P3HT:PCBM Photovoltaic Blend: Evidence For Interfacial Charge Transfer State. <i>Journal of Physical Chemistry Letters</i> , <b>2011</b> , 2, 1099-1105	6.4	161
626	Real-time observation of nonlinear coherent phonon dynamics in single-walled carbon nanotubes. <i>Nature Physics</i> , <b>2006</b> , 2, 515-520	16.2	160
625	Intersubband exciton relaxation dynamics in single-walled carbon nanotubes. <i>Physical Review Letters</i> , <b>2005</b> , 94, 207401	7.4	159
624	High-power femtosecond chirped pulse excitation of molecules in solution. <i>Chemical Physics Letters</i> , <b>1996</b> , 262, 362-368	2.5	155
623	Optimal metal domain size for photocatalysis with hybrid semiconductor-metal nanorods. <i>Nature Communications</i> , <b>2016</b> , 7, 10413	17.4	150
622	Millijoule-level phase-stabilized few-optical-cycle infrared parametric source. <i>Optics Letters</i> , <b>2007</b> , 32, 2957-9	3	150
621	Femtosecond micromachining of symmetric waveguides at 1.5 microm by astigmatic beam focusing. <i>Optics Letters</i> , <b>2002</b> , 27, 1938-40	3	147
620	Three-dimensional Mach-Zehnder interferometer in a microfluidic chip for spatially-resolved label-free detection. <i>Lab on A Chip</i> , <b>2010</b> , 10, 1167-73	7.2	146
619	Carrier-envelope phase effects on the strong-field photoemission of electrons from metallic nanostructures. <i>Nature Photonics</i> , <b>2014</b> , 8, 37-42	33.9	145
618	Er:Yb-doped waveguide laser fabricated by femtosecond laser pulses. <i>Optics Letters</i> , <b>2004</b> , 29, 2626-8	3	144
617	High-time-resolution pump-probe system with broadband detection for the study of time-domain vibrational dynamics. <i>Review of Scientific Instruments</i> , <b>2007</b> , 78, 103108	1.7	143
616	Broadband, electrically tunable third-harmonic generation in graphene. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 583-588	28.7	143
615	Ultrafast manipulation of strong coupling in metal-molecular aggregate hybrid nanostructures. <i>ACS Nano</i> , <b>2010</b> , 4, 7559-65	16.7	140
614	Coherent pulse synthesis: towards sub-cycle optical waveforms. <i>Laser and Photonics Reviews</i> , <b>2015</b> , 9, 129-171	8.3	132
613	Ultrafast carrier thermalization in lead iodide perovskite probed with two-dimensional electronic spectroscopy. <i>Nature Communications</i> , <b>2017</b> , 8, 376	17.4	131
612	The nature of singlet exciton fission in carotenoid aggregates. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 5130-9	16.4	130
611	Coherent orbital waves in the photo-induced insulator-metal dynamics of a magnetoresistive manganite. <i>Nature Materials</i> , <b>2007</b> , 6, 643-7	27	130

610	Nonequilibrium dynamics of photoexcited electrons in graphene: Collinear scattering, Auger processes, and the impact of screening. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	128
609	Generation of 11 fs pulses tunable across the visible by optical parametric amplification. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 3616-3618	3.4	128
608	Femtosecond laser ablation of polymeric substrates for the fabrication of microfluidic channels. <i>Applied Surface Science</i> , <b>2011</b> , 257, 6243-6250	6.7	127
607	Two-color pump-probe system broadly tunable over the visible and the near infrared with sub-30fs temporal resolution. <i>Review of Scientific Instruments</i> , <b>2006</b> , 77, 023103	1.7	125
606	Direct Observation of Ultrafast Field-Induced Charge Generation in Ladder-Type Poly(Para-Phenylene). <i>Physical Review Letters</i> , <b>1998</b> , 81, 3259-3262	7.4	121
605	Activated singlet exciton fission in a semiconducting polymer. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 12747-54	16.4	119
604	Phase-locked pulses for two-dimensional spectroscopy by a birefringent delay line. <i>Optics Letters</i> , <b>2012</b> , 37, 3027-9	3	116
603	ABCD matrix analysis of propagation of gaussian beams through Kerr media. <i>Optics Communications</i> , <b>1993</b> , 96, 348-355	2	116
602	Integrated three-dimensional filter separates nanoscale from microscale elements in a microfluidic chip. <i>Lab on A Chip</i> , <b>2012</b> , 12, 1135-42	7.2	115
601	Single-cycle multiterahertz transients with peak fields above 10 MV/cm. <i>Optics Letters</i> , <b>2010</b> , 35, 2645-7	3	115
600	Few-optical-cycle pulses tunable from the visible to the mid-infrared by optical parametric amplifiers. <i>Journal of Optics (United Kingdom)</i> , <b>2010</b> , 12, 013001	1.7	113
599	Quantum interference between charge excitation paths in a solid-state Mott insulator. <i>Nature Physics</i> , <b>2011</b> , 7, 114-118	16.2	112
598	Electron-phonon coupling in high-temperature cuprate superconductors determined from electron relaxation rates. <i>Physical Review Letters</i> , <b>2010</b> , 105, 257001	7.4	112
597	Self-starting Kerr-lens mode locking of a Ti:sapphire laser. <i>Optics Letters</i> , <b>1994</b> , 19, 1040-2	3	110
596	Three-dimensional structural niches engineered via two-photon laser polymerization promote stem cell homing. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 4579-84	10.8	109
595	Effect of surface coating on the photocatalytic function of hybrid CdS-Au nanorods. <i>Small</i> , <b>2015</b> , 11, 4621-11	11	108
594	Tracking the coherent generation of polaron pairs in conjugated polymers. <i>Nature Communications</i> , <b>2016</b> , 7, 13742	17.4	108
593	Oxygen-induced quenching of photoexcited states in polythiophene films. <i>Organic Electronics</i> , <b>2004</b> , 5, 83-89	3.5	106

592	Pulse compression over a 170-THz bandwidth in the visible by use of only chirped mirrors. <i>Optics Letters</i> , <b>2001</b> , 26, 1155-7	3	99
591	Integration of optical waveguides and microfluidic channels both fabricated by femtosecond laser irradiation. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 231118	3.4	98
590	Few-optical-cycle light pulses with passive carrier-envelope phase stabilization. <i>Laser and Photonics Reviews</i> , <b>2011</b> , 5, 323-351	8.3	97
589	Surface properties of femtosecond laser ablated PMMA. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 2377-84	9.5	93
588	Sub-two-cycle light pulses at 1.6 microm from an optical parametric amplifier. <i>Optics Letters</i> , <b>2008</b> , 33, 741-3	3	93
587	Fabrication of long microchannels with circular cross section using astigmatically shaped femtosecond laser pulses and chemical etching. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 191107	3.4	92
586	Ultrafast polariton relaxation dynamics in an organic semiconductor microcavity. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	90
585	Integration of femtosecond laser written optical waveguides in a lab-on-chip. <i>Lab on A Chip</i> , <b>2009</b> , 9, 91-6	7.2	90
584	Optical properties of waveguides written by a 26 MHz stretched cavity Ti:sapphire femtosecond oscillator. <i>Optics Express</i> , <b>2005</b> , 13, 612-20	3.3	88
583	Femtosecond-irradiation-induced refractive-index changes and channel waveguiding in bulk Ti <sup>3+</sup> :Sapphire. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 1122-1124	3.4	88
582	Out-of-plane heat transfer in van der Waals stacks through electron-hyperbolic phonon coupling. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 41-46	28.7	87
581	Wavelength-Dependent Ultrafast Charge Carrier Separation in the WO <sub>3</sub> /BiVO <sub>4</sub> Coupled System. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 1362-1367	20.1	82
580	Closed form gaussian beam analysis of resonators containing a Kerr medium for femtosecond lasers. <i>Optics Communications</i> , <b>1993</b> , 101, 365-370	2	82
579	Optical waveguide writing with a diode-pumped femtosecond oscillator. <i>Optics Letters</i> , <b>2004</b> , 29, 1900-23		80
578	Passive mode locking by carbon nanotubes in a femtosecond laser written waveguide laser. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 231115	3.4	79
577	Snapshots of the retarded interaction of charge carriers with ultrafast fluctuations in cuprates. <i>Nature Physics</i> , <b>2015</b> , 11, 421-426	16.2	78
576	1.5 microm single longitudinal mode waveguide laser fabricated by femtosecond laser writing. <i>Optics Express</i> , <b>2007</b> , 15, 3190-4	3.3	78
575	Ultrafast intrachain photoexcitation of polymeric semiconductors. <i>Physical Review Letters</i> , <b>2005</b> , 94, 117402	7.4	78

574	Shape control of microchannels fabricated in fused silica by femtosecond laser irradiation and chemical etching. <i>Optics Express</i> , <b>2009</b> , 17, 8685-95	3-3	77
573	Dependence of the two-photon photoluminescence yield of gold nanostructures on the laser pulse duration. <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	77
572	UV-Light-Induced Vibrational Coherences: The Key to Understand Kasha Rule Violation in trans-Azobenzene. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 1534-1541	6.4	76
571	Imaging of Bloch oscillations in erbium-doped curved waveguide arrays. <i>Optics Letters</i> , <b>2006</b> , 31, 1651-3	3	76
570	Fiber-format stimulated-Raman-scattering microscopy from a single laser oscillator. <i>Optics Letters</i> , <b>2010</b> , 35, 226-8	3	75
569	Interplay between strong coupling and radiative damping of excitons and surface plasmon polaritons in hybrid nanostructures. <i>ACS Nano</i> , <b>2014</b> , 8, 1056-64	16.7	73
568	Excited-state dynamics of poly(para-phenylene)-type ladder polymers at high photoexcitation density. <i>Physical Review B</i> , <b>1998</b> , 57, 12806-12811	3-3	73
567	Resonators for Kerr-lens mode-locked femtosecond Ti:sapphire lasers. <i>Optics Letters</i> , <b>1994</b> , 19, 807-9	3	73
566	Ultrafast Spectroscopy: State of the Art and Open Challenges. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 3-15	16.4	73
565	Two-photon laser polymerization: from fundamentals to biomedical application in tissue engineering and regenerative medicine. <i>Journal of Applied Biomaterials and Functional Materials</i> , <b>2012</b> , 10, 55-65	1.8	72
564	Ultrafast valley relaxation dynamics in monolayer MoS2 probed by nonequilibrium optical techniques. <i>Physical Review B</i> , <b>2015</b> , 92,	3-3	71
563	Macrospin dynamics in antiferromagnets triggered by sub-20 femtosecond injection of nanomagnons. <i>Nature Communications</i> , <b>2016</b> , 7, 10645	17.4	70
562	Size-dependent dynamics of coherent acoustic phonons in nanocrystal quantum dots. <i>Physical Review B</i> , <b>1999</b> , 60, 1928-1932	3-3	70
561	Exciton-exciton annihilation and biexciton stimulated emission in graphene nanoribbons. <i>Nature Communications</i> , <b>2016</b> , 7, 11010	17.4	69
560	Er:Yb-doped oxyfluoride silicate glass waveguide amplifier fabricated using femtosecond laser inscription. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 131102	3-4	69
559	Conjugation length dependence of internal conversion in carotenoids: role of the intermediate state. <i>Physical Review Letters</i> , <b>2004</b> , 93, 163002	7-4	69
558	Charge Photogeneration in Few-Layer MoS2. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 3351-3358	15.6	68
557	Modulating physical properties of isolated and self-assembled nanocrystals through change in nanocrystallinity. <i>Nano Letters</i> , <b>2013</b> , 13, 504-8	11.5	68

556	Waveguide lasers in the C-band fabricated by laser inscription with a compact femtosecond oscillator. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2006</b> , 12, 277-285	3.8	68
555	Femtosecond laser writing of waveguides in periodically poled lithium niobate preserving the nonlinear coefficient. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 241107	3.4	68
554	Dynamics of four-photon photoluminescence in gold nanoantennas. <i>Nano Letters</i> , <b>2012</b> , 12, 2941-7	11.5	66
553	C-band waveguide amplifier produced by femtosecond laser writing. <i>Optics Express</i> , <b>2005</b> , 13, 5976-82	3.3	66
552	Design criteria for ultrafast optical parametric amplifiers. <i>Journal of Optics (United Kingdom)</i> , <b>2016</b> , 18, 103501	1.7	66
551	Extended Pyrene-Fused Double [7]Carbohelicene as a Chiral Polycyclic Aromatic Hydrocarbon. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 12797-12803	16.4	65
550	Quantum confinement and ultrafast dephasing dynamics in InP nanocrystals. <i>Physical Review B</i> , <b>1997</b> , 55, 7059-7067	3.3	65
549	Near-field second-harmonic generation in single gold nanoparticles. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 093119	3.4	65
548	Triplet-Exciton Generation Mechanism in a New Soluble (Red-Phase) Polydiacetylene. <i>Physical Review Letters</i> , <b>2001</b> , 87,	7.4	65
547	Time-resolved charge carrier generation from higher lying excited states in conjugated polymers. <i>Physical Review Letters</i> , <b>2002</b> , 89, 117402	7.4	65
546	Supercontinuum generation in an ultrafast laser inscribed chalcogenide glass waveguide. <i>Optics Express</i> , <b>2007</b> , 15, 15776-81	3.3	64
545	Time-resolved methods in biophysics. 4. Broadband pump-probe spectroscopy system with sub-20 fs temporal resolution for the study of energy transfer processes in photosynthesis. <i>Photochemical and Photobiological Sciences</i> , <b>2007</b> , 6, 135-44	4.2	63
544	Dual fluorescence through Kasha's rule breaking: an unconventional photomechanism for intracellular probe design. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 6144-54	3.4	62
543	Temporal optimization of ultrabroadband high-energy OPCPA. <i>Optics Express</i> , <b>2009</b> , 17, 5540-55	3.3	62
542	Real-time optical mapping of the dynamics of nonthermal electrons in thin gold films. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	61
541	Ultrafast Förster transfer dynamics in tetraphenylporphyrin doped poly(9,9-dioctylfluorene). <i>Chemical Physics Letters</i> , <b>2001</b> , 335, 27-33	2.5	60
540	Regulation of photosystem I light harvesting by zeaxanthin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E2431-8	11.5	59
539	Photophysics and photovoltaic device properties of phthalocyaninefullerene dyad:conjugated polymer mixtures. <i>Solar Energy Materials and Solar Cells</i> , <b>2004</b> , 83, 201-209	6.4	59

538	High-brightness high-order harmonic generation by truncated bessel beams in the sub-10-fs regime. <i>Physical Review Letters</i> , <b>2002</b> , 88, 033902	7.4	59
537	Self-starting mode locking of a cw Nd:YAG laser using cascaded second-order nonlinearities. <i>Optics Letters</i> , <b>1995</b> , 20, 746-8	3	57
536	Superatom State-Resolved Dynamics of the Au <sub>25</sub> (SC <sub>8</sub> H <sub>9</sub> ) <sub>18</sub> (-) Cluster from Two-Dimensional Electronic Spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 1788-91	16.4	56
535	Two-dimensional electronic spectroscopy with birefringent wedges. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 123107	1.7	56
534	Early events of energy relaxation in all-trans-β-carotene following sub-10 fs optical-pulse excitation. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	56
533	Charge photogeneration in donor-acceptor conjugated materials: influence of excess excitation energy and chain length. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 4282-90	16.4	55
532	Two-optical-cycle pulses in the mid-infrared from an optical parametric amplifier. <i>Optics Letters</i> , <b>2008</b> , 33, 2901-3	3	55
531	Full temporal resolution of the two-step photoinduced energy-electron transfer in a fullerene-oligothiophene-fullerene triad using sub-10 fs pump-probe spectroscopy. <i>Chemical Physics Letters</i> , <b>2001</b> , 345, 33-38	2.5	55
530	Femtosecond laser written optical waveguide amplifier in phospho-tellurite glass. <i>Optics Express</i> , <b>2010</b> , 18, 20289-97	3.3	54
529	Effective temporal resolution in pump-probe spectroscopy with strongly chirped pulses. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	54
528	Understanding fundamental processes in poly(9,9-dioctylfluorene) light-emitting diodes via ultrafast electric-field-assisted pump-probe spectroscopy. <i>Physical Review Letters</i> , <b>2003</b> , 90, 247402	7.4	54
527	Real-Time Vibronic Coupling Dynamics in a Prototypical Conjugated Oligomer. <i>Physical Review Letters</i> , <b>1999</b> , 83, 231-234	7.4	54
526	Coherent synthesis of ultra-broadband optical parametric amplifiers. <i>Optics Letters</i> , <b>2012</b> , 37, 1880-2	3	53
525	Fiber-format CARS spectroscopy by spectral compression of femtosecond pulses from a single laser oscillator. <i>Optics Letters</i> , <b>2009</b> , 34, 3262-4	3	53
524	High-energy, few-optical-cycle pulses at 1.5 microm with passive carrier-envelope phase stabilization. <i>Optics Express</i> , <b>2006</b> , 14, 10109-16	3.3	53
523	Witnessing the formation and relaxation of dressed quasi-particles in a strongly correlated electron system. <i>Nature Communications</i> , <b>2014</b> , 5, 5112	17.4	52
522	Time domain investigation of the intrachain vibrational dynamics of a prototypical light-emitting conjugated polymer. <i>Physical Review Letters</i> , <b>2003</b> , 90, 047402	7.4	51
521	Optical gain in Er-Yb doped waveguides fabricated by femtosecond laser pulses. <i>Electronics Letters</i> , <b>2002</b> , 38, 964	1.1	51



520	Robust singlet fission in pentacene thin films with tuned charge transfer interactions. <i>Nature Communications</i> , <b>2018</b> , 9, 954	17.4	50
519	Astigmatism in Gaussian-beam self-focusing and in resonators for Kerr-lens mode locking. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1995</b> , 12, 476	1.7	50
518	Intravalley Spin-Flip Relaxation Dynamics in Single-Layer WS. <i>Nano Letters</i> , <b>2018</b> , 18, 6882-6891	11.5	50
517	Two-step mechanism for the photoinduced intramolecular electron transfer in oligo(p-phenylene vinylene)-fullerene dyads. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	49
516	Generation of broadband mid-infrared pulses from an optical parametric amplifier. <i>Optics Express</i> , <b>2007</b> , 15, 15035-40	3.3	48
515	Raman spectroscopy of graphene under ultrafast laser excitation. <i>Nature Communications</i> , <b>2018</b> , 9, 308	17.4	47
514	Exciton and charge carrier dynamics in few-layer WS <sub>2</sub> . <i>Nanoscale</i> , <b>2016</b> , 8, 5428-34	7.7	47
513	Coherent dynamics of photoexcited green fluorescent proteins. <i>Physical Review Letters</i> , <b>2001</b> , 86, 3439-424	4.1	47
512	Femtosecond laser microstructuring for polymeric lab-on-chips. <i>Journal of Biophotonics</i> , <b>2012</b> , 5, 687-703.1	3.1	46
511	The very early events following photoexcitation of carotenoids. <i>Archives of Biochemistry and Biophysics</i> , <b>2004</b> , 430, 61-9	4.1	46
510	Quasi-continuous wave laser operation of Cr <sup>4+</sup> -doped Y <sub>2</sub> SiO <sub>5</sub> at room temperature. <i>Optics Communications</i> , <b>1993</b> , 101, 195-198	2	46
509	Tracking energy transfer between light harvesting complex 2 and 1 in photosynthetic membranes grown under high and low illumination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 1473-8	11.5	45
508	Ultrafast excitation energy transfer in small semiconducting carbon nanotube aggregates. <i>ACS Nano</i> , <b>2010</b> , 4, 4265-73	16.7	45
507	Narrow-bandwidth picosecond pulses by spectral compression of femtosecond pulses in second-order nonlinear crystals. <i>Optics Express</i> , <b>2007</b> , 15, 8884-91	3.3	45
506	Broadband stimulated Raman scattering with Fourier-transform detection. <i>Optics Express</i> , <b>2015</b> , 23, 25235-46	3.5	44
505	Broadband Coherent Raman Scattering Microscopy. <i>Laser and Photonics Reviews</i> , <b>2018</b> , 12, 1800020	8.3	44
504	Broadband pump-probe spectroscopy with sub-10-fs resolution for probing ultrafast internal conversion and coherent phonons in carotenoids. <i>Chemical Physics</i> , <b>2008</b> , 350, 45-55	2.3	44
503	High-accuracy fast Hankel transform for optical beam propagation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>1992</b> , 9, 2031	1.8	44

502	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2015</b> , 21, 1-12	3.8	43
501	Ultrafast optical excitations of metallic nanostructures: from light confinement to a novel electron source. <i>New Journal of Physics</i> , <b>2007</b> , 9, 397-397	2.9	43
500	Lasing in femtosecond laser written optical waveguides. <i>Applied Physics A: Materials Science and Processing</i> , <b>2008</b> , 93, 17-26	2.6	43
499	Intracavity frequency doubling of a cw high-power TEM00 Nd:YLF laser. <i>Optics Letters</i> , <b>1993</b> , 18, 2111	3	43
498	Transient Optical Response of a Single Gold Nanoantenna: The Role of Plasmon Detuning. <i>ACS Photonics</i> , <b>2015</b> , 2, 521-529	6.3	42
497	Ultrabroadband self-phase-stabilized pulses by difference-frequency generation. <i>Optics Letters</i> , <b>2004</b> , 29, 2668-70	3	42
496	Mirror-dispersion-controlled sub-10-fs optical parametric amplifier in the visible. <i>Optics Letters</i> , <b>1999</b> , 24, 1529-31	3	42
495	Mechanical Vibrations of Atomically Defined Metal Clusters: From Nano- to Molecular-Size Oscillators. <i>Nano Letters</i> , <b>2018</b> , 18, 6842-6849	11.5	42
494	Probing ultrafast photo-induced dynamics of the exchange energy in a Heisenberg antiferromagnet. <i>Nature Photonics</i> , <b>2015</b> , 9, 506-510	33.9	41
493	Nonlinear Anisotropic Dielectric Metasurfaces for Ultrafast Nanophotonics. <i>ACS Photonics</i> , <b>2017</b> , 4, 2129-2136	13.6	41
492	Acoustic dynamics of network-forming glasses at mesoscopic wavelengths. <i>Nature Communications</i> , <b>2013</b> , 4, 1793	17.4	40
491	Few-optical-cycle pulses in the near-infrared from a noncollinear optical parametric amplifier. <i>Optics Letters</i> , <b>2007</b> , 32, 2396-8	3	40
490	Carotenoid-bacteriochlorophyll energy transfer in LH2 complexes studied with 10-fs time resolution. <i>Biophysical Journal</i> , <b>2006</b> , 90, 2486-97	2.9	40
489	Wavepacket splitting and two-pathway deactivation in the photoexcited visual pigment isorhodopsin. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 2504-7	16.4	39
488	Ultrafast internal conversion in a low band gap polymer for photovoltaics: experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 6367-74	3.6	39
487	Observation of the Sub-100 Femtosecond Population of a Dark State in a Thiobase Mediating Intersystem Crossing. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 16087-16093	16.4	39
486	Optical stark effects in j-aggregate-metal hybrid nanostructures exhibiting a strong exciton-surface-plasmon-polariton interaction. <i>Physical Review Letters</i> , <b>2015</b> , 114, 036802	7.4	38
485	Femtosecond Laser Inscription of Low Insertion Loss Waveguides in Z-Cut Lithium Niobate. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 892-894	2.2	38

484	Tuning of the excited-state lifetime by control of the structural relaxation in oligothiophenes. <i>Physical Review B</i> , <b>1998</b> , 58, 9082-9086	3.3	38
483	An ultrafast spectroscopy study of stimulated emission in poly(9,9-dioctylfluorene) films and microcavities. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 2767-2769	3.4	38
482	Triplet exciton generation and decay in a red polydiacetylene studied by femtosecond spectroscopy. <i>Chemical Physics Letters</i> , <b>1999</b> , 313, 525-532	2.5	38
481	Direct observation of subpicosecond vibrational dynamics in photoexcited myoglobin. <i>Nature Chemistry</i> , <b>2016</b> , 8, 1137-1143	17.6	38
480	Modeling the high-energy electronic state manifold of adenine: Calibration for nonlinear electronic spectroscopy. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 212443	3.9	37
479	Carrier-envelope phase stable, few-optical-cycle pulses tunable from visible to near IR. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2008</b> , 25, B62	1.7	37
478	Unexpected polarization behavior at the aperture of hollow-pyramid near-field probes. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 223112	3.4	37
477	Femtosecond laser inscription of optical waveguides in Bismuth ion doped glass. <i>Optics Express</i> , <b>2006</b> , 14, 10452-9	3.3	37
476	Stimulated Raman gas sensing by backward UV lasing from a femtosecond filament. <i>Optics Letters</i> , <b>2015</b> , 40, 2469-72	3	36
475	Microjoule-level, tunable sub-10 fs UV pulses by broadband sum-frequency generation. <i>Optics Letters</i> , <b>2014</b> , 39, 3849-52	3	36
474	Generation of high-energy sub-20 fs pulses tunable in the 250-310 nm region by frequency doubling of a high-power noncollinear optical parametric amplifier. <i>Optics Letters</i> , <b>2009</b> , 34, 710-2	3	36
473	Spectral features and modeling of high-order harmonics generated by sub-10-fs pulses. <i>Physical Review Letters</i> , <b>2000</b> , 85, 2494-7	7.4	36
472	High efficiency, 40 W cw Nd: YLF laser with large TEM00 mode. <i>Optics Communications</i> , <b>1992</b> , 93, 77-81	2	36
471	Probing equilibrium glass flow up to exapoise viscosities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 2331-6	11.5	35
470	Double waveguide couplers produced by simultaneous femtosecond writing. <i>Optics Express</i> , <b>2009</b> , 17, 3555-63	3.3	35
469	Temperature-dependent electronic dephasing of molecules in polymers in the range 30 to 300 K. <i>Chemical Physics Letters</i> , <b>1997</b> , 280, 127-133	2.5	35
468	Photophysics of conjugated polymers: the contribution of ultrafast spectroscopy. <i>Physica Status Solidi A</i> , <b>2004</b> , 201, 1116-1131		35
467	Nonlinear mirror mode locking of a cw Nd:YLF laser. <i>Optics Letters</i> , <b>1994</b> , 19, 792-4	3	35

466	Charge Carrier Dynamics in Photocatalytic Hybrid Semiconductor-Metal Nanorods: Crossover from Auger Recombination to Charge Transfer. <i>Nano Letters</i> , <b>2018</b> , 18, 5211-5216	11.5	34
465	Optimization of Femtosecond Laser Polymerized Structural Niches to Control Mesenchymal Stromal Cell Fate in Culture. <i>Micromachines</i> , <b>2014</b> , 5, 341-358	3.3	34
464	Ab initio simulations of two-dimensional electronic spectra: The SOS//QM/MM approach. <i>International Journal of Quantum Chemistry</i> , <b>2014</b> , 114, 85-93	2.1	34
463	Femtosecond stimulated Raman spectrometer in the 320-520nm range. <i>Optics Express</i> , <b>2011</b> , 19, 1107-1133	3.3	34
462	Ultrafast photogeneration mechanisms of triplet states in para-hexaphenyl. <i>Physical Review B</i> , <b>1999</b> , 59, 14336-14341	3.3	34
461	Ultrafast Photodoping and Plasmon Dynamics in Fluorine-Indium Codoped Cadmium Oxide Nanocrystals For All-Optical Signal Manipulation at Optical Communication Wavelengths. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 3873-3881	6.4	33
460	Optical-parametric-generation process driven by femtosecond pulses: Timing and carrier-envelope phase properties. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	33
459	Visualizing coherent phonon propagation in the 100 GHz range: A broadband picosecond acoustics approach. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 011901	3.4	33
458	The role of amplified spontaneous emission in the ultrafast relaxation dynamics of polymer films. <i>Chemical Physics Letters</i> , <b>1998</b> , 289, 205-210	2.5	33
457	Highly efficient second-harmonic nanosource for near-field optics and microscopy. <i>Optics Letters</i> , <b>2004</b> , 29, 62-4	3	33
456	Tracking attosecond electronic coherences using phase-manipulated extreme ultraviolet pulses. <i>Nature Communications</i> , <b>2020</b> , 11, 883	17.4	32
455	Generation of . <i>Optics Letters</i> , <b>2009</b> , 34, 3592-4	3	32
454	Generation of 8.5-fs pulses at 1.3 microm for ultrabroadband pump-probe spectroscopy. <i>Optics Express</i> , <b>2009</b> , 17, 12510-5	3.3	32
453	Ultrafast excited state relaxation in long-chain polyenes. <i>Chemical Physics</i> , <b>2010</b> , 373, 115-121	2.3	32
452	Ultrafast energy-transfer dynamics in a blend of electroluminescent conjugated polymers. <i>Chemical Physics Letters</i> , <b>1998</b> , 288, 561-566	2.5	32
451	300 microJ noncollinear optical parametric amplifier in the visible at 1 kHz repetition rate. <i>Optics Letters</i> , <b>2006</b> , 31, 3629-31	3	32
450	Ultrafast charge transfer in conjugated polymer-fullerene composites. <i>Synthetic Metals</i> , <b>2001</b> , 119, 637-638	3.3	32
449	Intrinsic Properties of Single Graphene Nanoribbons in Solution: Synthetic and Spectroscopic Studies. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10416-10420	16.4	31

448	Disentangling Peptide Configurations via Two-Dimensional Electronic Spectroscopy: Ab Initio Simulations Beyond the Frenkel Exciton Hamiltonian. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 767-771	6.4	31
447	Ultrafast Charge Photogeneration in Semiconducting Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 10849-10855	3.8	31
446	Topological defects of nematic liquid crystals confined in porous networks. <i>Soft Matter</i> , <b>2011</b> , 7, 10945	3.6	31
445	Nanoscale imaging of the interface dynamics in polymer blends by femtosecond pump-probe confocal microscopy. <i>Advanced Materials</i> , <b>2010</b> , 22, 3048-51	2.4	31
444	Characterization of a high-energy self-phase-stabilized near-infrared parametric source. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2008</b> , 25, B112	1.7	31
443	A diode-pumped nonlinear mirror mode-locked Nd:YAG laser. <i>Applied Physics Letters</i> , <b>1994</b> , 65, 2392-2394	3.4	31
442	Output power limitations in CW single transverse mode Nd: YAG lasers with a rod of large cross-section. <i>Optical and Quantum Electronics</i> , <b>1993</b> , 25, 489-500	2.4	31
441	Vibrational coherence in Azurin with impulsive excitation of the LMCT absorption band. <i>Chemical Physics Letters</i> , <b>2002</b> , 362, 497-503	2.5	30
440	Time Domain Investigation of Excited-State Vibrational Motion in Organic Molecules by Stimulated Emission Pumping $\square$ <i>Journal of Physical Chemistry A</i> , <b>2003</b> , 107, 8339-8344	2.8	30
439	Primary photoexcitations in oligophenylenevinylene thin films probed by femtosecond spectroscopy. <i>Physical Review B</i> , <b>2000</b> , 62, 2429-2436	3.3	30
438	Solvent-dependent activation of intermediate excited states in the energy relaxation pathways of spheroidene. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 6312-9	3.6	29
437	Few-optical-cycle laser pulses: from high peak power to frequency tunability. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2000</b> , 6, 948-958	3.8	29
436	Time-gated optical projection tomography allows visualization of adult zebrafish internal structures. <i>PLoS ONE</i> , <b>2012</b> , 7, e50744	3.7	29
435	In-line balanced detection stimulated Raman scattering microscopy. <i>Scientific Reports</i> , <b>2017</b> , 7, 10745	4.9	28
434	Barrierless photoisomerisation of the "simplest cyanine": joining computational and femtosecond optical spectroscopies to trace the full reaction path. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 13350-64	3.6	28
433	Modulation-frequency encoded multi-color fluorescent DNA analysis in an optofluidic chip. <i>Lab on A Chip</i> , <b>2011</b> , 11, 679-83	7.2	28
432	A versatile apparatus for time-resolved photoemission spectroscopy via femtosecond pump-probe experiments. <i>Review of Scientific Instruments</i> , <b>2009</b> , 80, 055101	1.7	28
431	Er : Yb-Doped Oxyfluoride Silicate Glass Waveguide Laser Fabricated Using Ultrafast Laser Inscription. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 126-128	2.2	28

430	Sub-cycle millijoule-level parametric waveform synthesizer for attosecond science. <i>Nature Photonics</i> , <b>2020</b> , 14, 629-635	33.9	28
429	The ultrafast onset of exciton formation in 2D semiconductors. <i>Nature Communications</i> , <b>2020</b> , 11, 5277	17.4	28
428	Tracking the primary photoconversion events in rhodopsins by ultrafast optical spectroscopy. <i>Photochemical and Photobiological Sciences</i> , <b>2015</b> , 14, 213-28	4.2	27
427	Modelling time-resolved two-dimensional electronic spectroscopy of the primary photoisomerization event in rhodopsin. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 8396-405	3.4	27
426	High energetic excitons in carbon nanotubes directly probe charge-carriers. <i>Scientific Reports</i> , <b>2015</b> , 5, 9681	4.9	27
425	Time-gated optical projection tomography. <i>Optics Letters</i> , <b>2010</b> , 35, 2732-4	3	27
424	Low sensitivity of acoustic breathing mode frequency in Co nanocrystals upon change in nanocrystallinity. <i>ACS Nano</i> , <b>2011</b> , 5, 5785-91	16.7	27
423	Generation of high-energy self-phase-stabilized pulses by difference-frequency generation followed by optical parametric amplification. <i>Optics Letters</i> , <b>2006</b> , 31, 963-5	3	27
422	Spectral shift of femtosecond pulses in nonlinear quadratic PPSLT Crystals. <i>Optics Express</i> , <b>2006</b> , 14, 4774-9	3.9	27
421	Dynamics of exciton localization in CdS/HgS quantum-dot quantum wells. <i>Physical Review B</i> , <b>1999</b> , 59, 4973-4979	3.3	27
420	Roadmap on ultrafast optics. <i>Journal of Optics (United Kingdom)</i> , <b>2016</b> , 18, 093006	1.7	27
419	Ultrafast free carrier dynamics in black phosphorus-holybdenum disulfide (BP/MoS <sub>2</sub> ) heterostructures. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 1099-1105	10.8	26
418	Multi-foci laser microfabrication of 3D polymeric scaffolds for stem cell expansion in regenerative medicine. <i>Scientific Reports</i> , <b>2019</b> , 9, 11761	4.9	26
417	Spin-Hall Voltage over a Large Length Scale in Bulk Germanium. <i>Physical Review Letters</i> , <b>2017</b> , 118, 167402	4.4	26
416	Confocal ultrafast pump-probe spectroscopy: a new technique to explore nanoscale composites. <i>Nanoscale</i> , <b>2012</b> , 4, 2219-26	7.7	26
415	Fabrication of binary Fresnel lenses in PMMA by femtosecond laser surface ablation. <i>Optics Express</i> , <b>2011</b> , 19, 11597-604	3.3	26
414	Hollow-pyramid based scanning near-field optical microscope coupled to femtosecond pulses: a tool for nonlinear optics at the nanoscale. <i>Review of Scientific Instruments</i> , <b>2009</b> , 80, 033704	1.7	26
413	Electron Transfer from Organic Aminophenyl Acid Sensitizers to Titanium Dioxide Nanoparticle Films. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 13985-13992	3.8	26

4 <sup>12</sup>	Ultrafast-laser-induced backward stimulated Raman scattering for tracing atmospheric gases. <i>Optics Express</i> , <b>2012</b> , 20, 18784-94	3.3	26
4 <sup>11</sup>	Mode locking by cascading of second-order nonlinearities. <i>IEEE Journal of Quantum Electronics</i> , <b>1998</b> , 34, 61-70	2	26
4 <sup>10</sup>	Near-infrared optical parametric amplifier at 1 MHz directly pumped by a femtosecond oscillator. <i>Optics Letters</i> , <b>2007</b> , 32, 1489-91	3	26
4 <sup>09</sup>	Characterization of femtosecond light pulses coupled to hollow-pyramid near-field probes: Localization in space and time. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 031105	3.4	26
4 <sup>08</sup>	Potential use of holmium lasers for angioplasty: evaluation of a new solid-state laser for ablation of atherosclerotic plaque. <i>Lasers in Surgery and Medicine</i> , <b>1991</b> , 11, 232-7	3.6	26
4 <sup>07</sup>	Two-photon polymerized "nichoid" substrates maintain function of pluripotent stem cells when expanded under feeder-free conditions. <i>Stem Cell Research and Therapy</i> , <b>2016</b> , 7, 132	8.3	26
4 <sup>06</sup>	Scanning Fourier transform spectrometer in the visible range based on birefringent wedges. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2016</b> , 33, 1415-20	1.8	25
4 <sup>05</sup>	Coherent longitudinal acoustic phonons in three-dimensional supracrystals of cobalt nanocrystals. <i>Nano Letters</i> , <b>2013</b> , 13, 4914-9	11.5	25
4 <sup>04</sup>	Synthetic niche substrates engineered via two-photon laser polymerization for the expansion of human mesenchymal stromal cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2017</b> , 11, 2836-2845	4.4	25
4 <sup>03</sup>	Scaling-Up Techniques for the Nanofabrication of Cell Culture Substrates via Two-Photon Polymerization for Industrial-Scale Expansion of Stem Cells. <i>Materials</i> , <b>2017</b> , 10,	3.5	25
4 <sup>02</sup>	Excess quantum noise in optical parametric chirped-pulse amplification. <i>Optics Express</i> , <b>2011</b> , 19, 8357-66.3	6.3	25
4 <sup>01</sup>	Synthesis of picosecond pulses by spectral compression and shaping of femtosecond pulses in engineered quadratic nonlinear media. <i>Optics Letters</i> , <b>2009</b> , 34, 241-3	3	25
4 <sup>00</sup>	Ultrafast pump-probe study of excited-state charge-transfer dynamics in umecyanin from horseradish root. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 17252-9	3.4	25
399	Broadband stimulated Raman scattering spectroscopy by a photonic time stretcher. <i>Optics Express</i> , <b>2016</b> , 24, 21264-75	3.3	25
398	Ultraviolet Transient Absorption Spectrometer with Sub-20-fs Time Resolution. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 989	2.6	25
397	Ultrafast Photophysics of Single-Walled Carbon Nanotubes. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1670-1688	1.88	24
396	Nonequilibrium optical properties in semiconductors from first principles: A combined theoretical and experimental study of bulk silicon. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	24
395	High-fidelity solvent-resistant replica molding of hydrophobic polymer surfaces produced by femtosecond laser nanofabrication. <i>Langmuir</i> , <b>2011</b> , 27, 8391-5	4	24

394	Group-velocity control by quadratic nonlinear interactions. <i>Optics Letters</i> , <b>2006</b> , 31, 534-6	3	24
393	Two-dimensional electronic spectroscopy in the ultraviolet by a birefringent delay line. <i>Optics Express</i> , <b>2016</b> , 24, 28491-28499	3-3	24
392	Two-dimensional UV spectroscopy: a new insight into the structure and dynamics of biomolecules. <i>Chemical Science</i> , <b>2019</b> , 10, 9907-9921	9-4	24
391	PumpPushProbe for Ultrafast All-Optical Switching: The Case of a Nanographene Molecule. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1805249	15.6	24
390	2D IR spectroscopy with phase-locked pulse pairs from a birefringent delay line. <i>Optics Express</i> , <b>2014</b> , 22, 9063-72	3-3	23
389	Fabrication of photonic devices in nanostructured glasses by femtosecond laser pulses. <i>Optics Express</i> , <b>2007</b> , 15, 12628-35	3-3	23
388	Few-optical-cycle laser pulses by OPA: broadband chirped mirror compression and SPIDER characterization. <i>Applied Physics B: Lasers and Optics</i> , <b>2002</b> , 74, s245-s251	1.9	23
387	Group-velocity mismatch compensation in continuous-wave lasers mode locked by second-order nonlinearities. <i>Optics Letters</i> , <b>1995</b> , 20, 1785	3	23
386	Ultrafast Spectroscopy of Photoactive Molecular Systems from First Principles: Where We Stand Today and Where We Are Going. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 16117-16139	16.4	23
385	Ultrafast intramolecular relaxation and wave-packet motion in a ruthenium-based supramolecular photocatalyst. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 7668-74	4.8	22
384	Ultrasensitive Characterization of Mechanical Oscillations and Plasmon Energy Shift in Gold Nanorods. <i>ACS Nano</i> , <b>2016</b> , 10, 2251-8	16.7	22
383	In Operando Photoelectrochemical Femtosecond Transient Absorption Spectroscopy of WO <sub>3</sub> /BiVO <sub>4</sub> Heterojunctions. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 2213-2219	20.1	22
382	Hot Electrons Modulation of Third-Harmonic Generation in Graphene. <i>ACS Photonics</i> , <b>2019</b> , 6, 2841-2849	6.3	22
381	Size and nanocrystallinity controlled gold nanocrystals: synthesis, electronic and mechanical properties. <i>Nanoscale</i> , <b>2015</b> , 7, 3237-46	7.7	22
380	Tracking conformational dynamics of polypeptides by nonlinear electronic spectroscopy of aromatic residues: a first-principles simulation study. <i>ChemPhysChem</i> , <b>2014</b> , 15, 3282-90	3.2	22
379	Excited state charge-transfer dynamics study of poplar plastocyanin by ultrafast pump-probe spectroscopy and molecular dynamics simulation. <i>Biophysical Chemistry</i> , <b>2003</b> , 106, 221-31	3.5	22
378	Comprehensive photophysical studies of polyfluorenes containing on-chain emissive defects. <i>Physical Review B</i> , <b>2005</b> , 72,	3-3	22
377	Phonon-Mediated Interlayer Charge Separation and Recombination in a MoSe <sub>2</sub> /WSe <sub>2</sub> Heterostructure. <i>Nano Letters</i> , <b>2021</b> , 21, 2165-2173	11.5	22



376	Femtosecond Charge-Injection Dynamics at Hybrid Perovskite Interfaces. <i>ChemPhysChem</i> , <b>2017</b> , 18, 2381-2389	21
375	Ultra-broadband 2D electronic spectroscopy of carotenoid-bacteriochlorophyll interactions in the LH1 complex of a purple bacterium. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 212433	3.9 21
374	Broadband nonlinear optical response of monolayer MoSe2 under ultrafast excitation. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 031108	3.4 21
373	Coherent anti-Stokes Raman spectroscopy of single and multi-layer graphene. <i>Nature Communications</i> , <b>2019</b> , 10, 3658	17.4 21
372	Functional analysis of photosynthetic pigment binding complexes in the green alga <i>Haematococcus pluvialis</i> reveals distribution of astaxanthin in Photosystems. <i>Scientific Reports</i> , <b>2017</b> , 7, 16319	4.9 21
371	Fluorescence monitoring of microchip capillary electrophoresis separation with monolithically integrated waveguides. <i>Optics Letters</i> , <b>2008</b> , 33, 2503-5	3 21
370	Transient optical symmetry breaking for ultrafast broadband dichroism in plasmonic metasurfaces. <i>Nature Photonics</i> , <b>2020</b> , 14, 723-727	33.9 21
369	Laser-driven quantum magnonics and terahertz dynamics of the order parameter in antiferromagnets. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3 20
368	Solvent vapor treatment controls surface wettability in PMMA femtosecond-laser-ablated microchannels. <i>Microfluidics and Nanofluidics</i> , <b>2013</b> , 14, 171-176	2.8 20
367	Functional modulation of LHCSR1 protein from <i>Physcomitrella patens</i> by zeaxanthin binding and low pH. <i>Scientific Reports</i> , <b>2017</b> , 7, 11158	4.9 20
366	Broadband two-dimensional electronic spectroscopy in an actively phase stabilized pump-probe configuration. <i>Optics Express</i> , <b>2017</b> , 25, 21115-21126	3.3 20
365	Self-organized plasmonic metasurfaces for all-optical modulation. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3 20
364	Optical sensing in microfluidic lab-on-a-chip by femtosecond-laser-written waveguides. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 393, 1209-16	4.4 20
363	Photophysics of poly(fluorenes) with dendronic side chains. <i>Synthetic Metals</i> , <b>2003</b> , 139, 847-849	3.6 20
362	Synchronization-free all-solid-state laser system for stimulated Raman scattering microscopy. <i>Light: Science and Applications</i> , <b>2016</b> , 5, e16149	16.7 20
361	Enhanced Photogeneration of Polaron Pairs in Neat Semicrystalline Donor-Acceptor Copolymer Films via Direct Excitation of Interchain Aggregates. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 1196-203	6.4 19
360	An innovative Yb-based ultrafast deep ultraviolet source for time-resolved photoemission experiments. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 123903	1.7 19
359	Nematic Liquid Crystals Embedded in Cubic Microlattices: Memory Effects and Bistable Pixels. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 3990-3994	15.6 19

358	Explaining the temperature dependence of spirilloxanthin's S* signal by an inhomogeneous ground state model. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 6303-10	2.8	19
357	Transient Species Mediating Energy Transfer to Spin-Forbidden Mn d States in II-VI Semiconductor Quantum Dots. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 729-735	20.1	19
356	Optical parametric amplification by monolayer transition metal dichalcogenides. <i>Nature Photonics</i> , <b>2021</b> , 15, 6-10	33.9	19
355	Modulating Exciton Dynamics in Composite Nanocrystals for Excitonic Solar Cells. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 2489-95	6.4	18
354	Charge trapping and coalescence dynamics in few layer MoS <sub>2</sub> . <i>2D Materials</i> , <b>2018</b> , 5, 015011	5.9	18
353	LHCII can substitute for LHCI as an antenna for photosystem I but with reduced light-harvesting capacity. <i>Nature Plants</i> , <b>2016</b> , 2, 16131	11.5	18
352	Fourier transform spectroscopy in the vibrational fingerprint region with a birefringent interferometer. <i>Optics Express</i> , <b>2017</b> , 25, 4403-4413	3.3	18
351	Optical waveform synthesizer and its application to high-harmonic generation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2012</b> , 45, 074009	1.3	18
350	Background-free broadband CARS spectroscopy from a 1-MHz ytterbium laser. <i>Optics Express</i> , <b>2011</b> , 19, 15143-8	3.3	18
349	Intra-chain exciton generation by charge recombination in substituted polyacetylenes. <i>Chemical Physics Letters</i> , <b>2007</b> , 444, 61-65	2.5	18
348	Real-time observation of coherent nuclear motion in polydiacetylene isolated chains. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	18
347	The influence of keto defects on photoexcitation dynamics in polyfluorene. <i>Synthetic Metals</i> , <b>2003</b> , 139, 851-854	3.6	18
346	Sub-10 fs time resolved study of excited state relaxation in all-trans-β-carotene. <i>Synthetic Metals</i> , <b>2001</b> , 116, 1-3	3.6	18
345	Er/Tm: fiber laser system for coherent Raman microscopy. <i>Optics Letters</i> , <b>2014</b> , 39, 3090-3	3	17
344	Observation of anomalous acoustic phonon dispersion in SrTiO <sub>3</sub> by broadband stimulated Brillouin scattering. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 211907	3.4	17
343	Observation of terahertz vibrations in Pyrococcus furiosus rubredoxin via impulsive coherent vibrational spectroscopy and nuclear resonance vibrational spectroscopy--interpretation by molecular mechanics. <i>Journal of Inorganic Biochemistry</i> , <b>2007</b> , 101, 375-84	4.2	17
342	Dynamics of higher photoexcited states in m-LPPP probed with sub-20 fs time resolution. <i>Chemical Physics Letters</i> , <b>2004</b> , 384, 251-255	2.5	17
341	Hyperspectral imaging with a TWINS birefringent interferometer. <i>Optics Express</i> , <b>2019</b> , 27, 15956-15967	3.3	17

340	A Unified Experimental/Theoretical Description of the Ultrafast Photophysics of Single and Double Thionated Uracils. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 336-343	4.8	17
339	Ultrafast Photophysics of 2D Semiconductors and Related Heterostructures. <i>Trends in Chemistry</i> , <b>2020</b> , 2, 28-42	14.8	17
338	Mottness at finite doping and charge-instabilities in cuprates. <i>Nature Physics</i> , <b>2017</b> , 13, 806-811	16.2	16
337	Trapping Dynamics in Photosystem I-Light Harvesting Complex I of Higher Plants Is Governed by the Competition Between Excited State Diffusion from Low Energy States and Photochemical Charge Separation. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 9816-9830	3.4	16
336	Interactions between structural and chemical biomimetism in synthetic stem cell niches. <i>Biomedical Materials (Bristol)</i> , <b>2015</b> , 10, 015012	3.5	16
335	Ultrafast energy transfer and excited state coupling in an artificial photosynthetic antenna. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 14183-90	3.4	16
334	Excitation-emission Fourier-transform spectroscopy based on a birefringent interferometer. <i>Optics Express</i> , <b>2017</b> , 25, A483-A490	3.3	16
333	High-resolution electrophoretic separation and integrated-waveguide excitation of fluorescent DNA molecules in a lab on a chip. <i>Electrophoresis</i> , <b>2010</b> , 31, 2584-8	3.6	16
332	The photophysics of organic semiconducting nanospheres: a comprehensive study. <i>Chemical Physics Letters</i> , <b>2004</b> , 389, 7-13	2.5	16
331	Excited-state dynamics of carotenoids with different conjugation length. <i>Synthetic Metals</i> , <b>2003</b> , 139, 893-896	3.6	16
330	Charge carrier photogeneration in oligo(phenylenevinylene) thin films: A quantitative study. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	16
329	Excited state dynamics of oligothiophenes studied by transient pump-probe spectroscopy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2001</b> , 144, 13-19	4.7	16
328	Femtosecond photovoltage excitation cross-correlation on a ladder-type polymer. <i>Synthetic Metals</i> , <b>2000</b> , 111-112, 493-496	3.6	16
327	Lattice Distortions Drive Electron-Hole Correlation within Micrometer-Size Lead-Iodide Perovskite Crystals. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 265-269	20.1	15
326	Exciton Trapping Dynamics in DNA Multimers. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 1639-1643	6.4	15
325	Strongly Coupled Coherent Phonons in Single-Layer MoS. <i>ACS Nano</i> , <b>2020</b> , 14, 5700-5710	16.7	15
324	Carotenoid-to-bacteriochlorophyll energy transfer through vibronic coupling in LH2 from <i>Phaeosprillum molischianum</i> . <i>Photosynthesis Research</i> , <b>2018</b> , 135, 45-54	3.7	15
323	Balanced-detection Raman-induced Kerr-effect spectroscopy. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	15

- 322 Dissociation of hot excitons in ladder-type polymer light-emitting diodes. *Chemical Physics Letters*, **2001**, 341, 63-69 2.5 15
- 321 Influence of the environment on the excited state deactivation in functionalized quinque-thienyls. *Journal of Chemical Physics*, **2001**, 115, 1623-1625 3.9 15
- 320 Femtosecond impulsive vibrational spectroscopy in conjugated polymers. *Journal of Molecular Structure*, **2000**, 521, 261-270 3.4 15
- 319 Excitonic and lattice contributions to the charge density wave in 1T<sub>⋄</sub>Se<sub>2</sub> revealed by a phonon bottleneck. *Physical Review Research*, **2019**, 1, 3.9 15
- 318 Ultrafast relaxation dynamics in a polymer: fullerene blend for organic photovoltaics probed by two-dimensional electronic spectroscopy. *European Physical Journal B*, **2018**, 91, 1 1.2 15
- 317 Two-Dimensional Electronic Spectroscopy Unravels sub-100 fs Electron and Hole Relaxation Dynamics in Cd-Chalcogenide Nanostructures. *Journal of Physical Chemistry Letters*, **2017**, 8, 2285-2290 6.4 14
- 316 Compact, low-noise, all-solid-state laser system for stimulated Raman scattering microscopy. *Optics Letters*, **2015**, 40, 593-6 3 14
- 315 Nonlinear Optical Microscopy: From Fundamentals to Applications in Live Bioimaging. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 585363 5.8 14
- 314 Reply to 'Measuring internal quantum efficiency to demonstrate hot exciton dissociation'. *Nature Materials*, **2013**, 12, 594-5 27 14
- 313 Charge Transfer Dynamics in  $\pi$ - and Meso-Substituted Dithienylethylene Porphyrins. *Journal of Physical Chemistry C*, **2017**, 121, 18385-18400 3.8 14
- 312 Perylene Diimide Aggregates on Sb-Doped SnO<sub>2</sub>: Charge Transfer Dynamics Relevant to Solar Fuel Generation. *Journal of Physical Chemistry C*, **2017**, 121, 17737-17745 3.8 14
- 311 High passive CEP stability from a few-cycle, tunable NOPA-DFG system for observation of CEP-effects in photoemission. *Optics Express*, **2014**, 22, 25295-306 3.3 14
- 310 Ultrafast pump-probe study of the excited-state charge-transfer dynamics in blue copper rusticyanin. *Journal of Physical Chemistry B*, **2012**, 116, 4192-8 3.4 14
- 309 Phase retrieval and compression of low-power white-light pulses. *Applied Physics Letters*, **2011**, 99, 101101 14 14
- 308 Comparative analysis of Nd:YAG unstable resonators with super-gaussian variable reflectance mirrors. *Optics Communications*, **1990**, 77, 179-184 2 14
- 307 Optical tuning of dielectric nanoantennas for thermo-optically reconfigurable nonlinear metasurfaces. *Optics Letters*, **2021**, 46, 2453-2456 3 14
- 306 . *IEEE Journal of Selected Topics in Quantum Electronics*, **2017**, 23, 88-96 3.8 13
- 305 Molecular Mechanisms of Nonphotochemical Quenching in the LHCSR3 Protein of *Chlamydomonas reinhardtii*. *Journal of Physical Chemistry Letters*, **2019**, 10, 2500-2505 6.4 13

304	Light-heat conversion dynamics in highly diversified water-dispersed hydrophobic nanocrystal assemblies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 8161-8166	11.5	13
303	Linear absorption spectra of solvated thiouracils resolved at the hybrid RASPT2/MM level. <i>Chemical Physics</i> , <b>2018</b> , 515, 643-653	2.3	13
302	Picosecond Capture of Photoexcited Electrons Improves Photovoltaic Conversion in MAPbI <sub>3</sub> :C-Doped Planar and Mesoporous Solar Cells. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801496	24	13
301	Panchromatic "Dye-Doped" Polymer Solar Cells: From Femtosecond Energy Relays to Enhanced Photo-Response. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 442-7	6.4	13
300	Fundamentals of Femtosecond Laser Modification of Bulk Dielectrics. <i>Topics in Applied Physics</i> , <b>2012</b> , 3-18	0.5	13
299	Dual-point dual-wavelength fluorescence monitoring of DNA separation in a lab on a chip. <i>Biomedical Optics Express</i> , <b>2010</b> , 1, 729-735	3.5	13
298	Structural phase contrast in polycrystalline organic semiconductor films observed by broadband near-field optical spectroscopy. <i>Nano Letters</i> , <b>2007</b> , 7, 998-1002	11.5	13
297	High-resolution imaging of local oxidation in polyfluorene thin films by nonlinear near-field microscopy. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 191118	3.4	13
296	Tunable few-optical-cycle pulses with passive carrier-envelope phase stabilization from an optical parametric amplifier. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 171111	3.4	13
295	Harvesting Delayed Fluorescence in Perovskite Nanocrystals Using Spin-Forbidden Mn d States. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 353-359	20.1	13
294	Removing non-resonant background from CARS spectra via deep learning. <i>APL Photonics</i> , <b>2020</b> , 5, 061305.2	5.2	13
293	Low frequency dynamics of the nitrogenase MoFe protein via femtosecond pump probe spectroscopy - Observation of a candidate promoting vibration. <i>Journal of Inorganic Biochemistry</i> , <b>2015</b> , 153, 128-135	4.2	12
292	Optimized ancillae generation for ultra-broadband two-dimensional spectral-shearing interferometry. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2015</b> , 32, 1851	1.7	12
291	Multimodal nonlinear microscope based on a compact fiber-format laser source. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 188, 135-140	4.4	12
290	Disentangling electrons and lattice nonlinear optical response in metal-dielectric Bragg filters. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	12
289	Femtosecond laser fabrication and characterization of microchannels and waveguides in methacrylate-based polymers. <i>Microsystem Technologies</i> , <b>2012</b> , 18, 183-190	1.7	12
288	Strain-Induced Enhancement of the Electron Energy Relaxation in Strongly Correlated Superconductors. <i>Physical Review X</i> , <b>2014</b> , 4,	9.1	12
287	Raman-induced Kerr effect microscopy with balanced detection. <i>Journal of Raman Spectroscopy</i> , <b>2013</b> , 44, 1385-1392	2.3	12

286	Stimulated emission properties of fluorophores by CW-STED single molecule spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 16405-15	3.4	12
285	Ultrafast photoexcitation dynamics in a ladder-type oligophenyl. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	12
284	Dark Subgap States in Metal-Halide Perovskites Revealed by Coherent Multidimensional Spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 777-782	16.4	12
283	Adjusting the energy of interfacial states in organic photovoltaics for maximum efficiency. <i>Nature Communications</i> , <b>2021</b> , 12, 1772	17.4	12
282	Photocatalytic activity of exfoliated graphite-TiO nanoparticle composites. <i>Nanoscale</i> , <b>2019</b> , 11, 19301-19314	12.7	12
281	Visualizing Ultrafast Electron Transfer Processes in Semiconductor-Metal Hybrid Nanoparticles: Toward Excitonic-Plasmonic Light Harvesting. <i>Nano Letters</i> , <b>2021</b> , 21, 1461-1468	11.5	12
280	All-optical polarization and amplitude modulation of second-harmonic generation in atomically thin semiconductors. <i>Nature Photonics</i> ,	33.9	12
279	Resonant broadband stimulated Raman scattering in myoglobin. <i>Journal of Raman Spectroscopy</i> , <b>2018</b> , 49, 913-920	2.3	11
278	Tracking Ultrafast Energy Flow in Molecules Using Broadly Tunable Few-Optical-Cycle Pulses. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2012</b> , 18, 329-339	3.8	11
277	Utilizing ancillary ligands to optimize the photophysical properties of 4H-imidazole ruthenium dyes. <i>ChemPhysChem</i> , <b>2013</b> , 14, 2973-83	3.2	11
276	Pulse shaping in the mid-infrared by a deformable mirror. <i>Optics Letters</i> , <b>2014</b> , 39, 1485-8	3	11
275	Observation and control of coherent torsional dynamics in a quinquethiophene molecule. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 7917-23	3.6	11
274	Fabrication of 3D photonic devices at 1.55 [micro sign]m wavelength by femtosecond Ti:Sapphire oscillator. <i>Electronics Letters</i> , <b>2005</b> , 41, 315	1.1	11
273	Mirror-dispersion-controlled OPA: a compact tool for sub-10-fs spectroscopy in the visible. <i>Applied Physics B: Lasers and Optics</i> , <b>2000</b> , 70, S253-S259	1.9	11
272	Narrowband carrier-envelope phase stable mid-infrared pulses at wavelengths beyond 10 $\mu$ m by chirped-pulse difference frequency generation. <i>Optics Letters</i> , <b>2017</b> , 42, 663-666	3	11
271	Effect of the 3D Artificial Nichoid on the Morphology and Mechanobiological Response of Mesenchymal Stem Cells Cultured In Vitro. <i>Cells</i> , <b>2020</b> , 9,	7.9	11
270	Communication: SHG-detected circular dichroism imaging using orthogonal phase-locked laser pulses. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 151101	3.9	10
269	Ultrafast excited-state dynamics in land plants Photosystem I core and whole supercomplex under oxidised electron donor conditions. <i>Photosynthesis Research</i> , <b>2020</b> , 144, 221-233	3.7	10

268	Time- and frequency-resolved fluorescence with a single TCSPC detector via a Fourier-transform approach. <i>Optics Express</i> , <b>2018</b> , 26, 2270-2279	3.3	10
267	Ultrafast spin-polarized electron dynamics in the unoccupied topological surface state of BiSe. <i>Journal of Physics Condensed Matter</i> , <b>2017</b> , 29, 30LT01	1.8	10
266	Wide-range optical spin orientation in Ge from near-infrared to visible light. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	10
265	Role of intramolecular dynamics on intermolecular coupling in cyanine dye. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	10
264	Selective Iterative Etching of Fused Silica with Gaseous Hydrofluoric Acid. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 18712-18716	3.8	10
263	Ultrabroadband pulse shaping with a push-pull deformable mirror. <i>Optics Express</i> , <b>2010</b> , 18, 23147-52	3.3	10
262	Observation of terahertz vibrations in the nitrogenase FeMo cofactor by femtosecond pump-probe spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 3912-5	16.4	10
261	Ultrafast dynamics of a charge-transfer dimer as a model for the photoinduced phase transition of charge-transfer compounds. <i>Physical Review Letters</i> , <b>2007</b> , 99, 027401	7.4	10
260	Study of mechanisms of light-induced dissociation of Ru(dcbpy)(CO) <sub>2</sub> I <sub>2</sub> in solution down to 20 fs time resolution. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 17538-44	3.4	10
259	Broadband pump-probe spectroscopy at 20-MHz modulation frequency. <i>Optics Letters</i> , <b>2016</b> , 41, 2970-33		10
258	How Exciton Interactions Control Spin-Depolarization in Layered Hybrid Perovskites. <i>Nano Letters</i> , <b>2020</b> , 20, 5678-5685	11.5	9
257	Modulating the Electronic and Solid-State Structure of Organic Semiconductors by Site-Specific Substitution: The Case of Tetrafluoropentacenes. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 3420-3434	4.8	9
256	Charge dynamics in aluminum oxide thin film studied by ultrafast scanning electron microscopy. <i>Ultramicroscopy</i> , <b>2018</b> , 187, 93-97	3.1	9
255	Tunable 30 fs light pulses at 1 W power level from a Yb-pumped optical parametric oscillator. <i>Optics Letters</i> , <b>2017</b> , 42, 4545-4548	3	9
254	Retrieving the complex polarizability of single plasmonic nanoresonators. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	9
253	Primary photoexcitations and their interconversion in oligophenylenevinylene nanocrystals: Role of excess energy studied with sub-30femtosecond resolution. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	9
252	Sub-10 fs excited state evolution in polycarbazolyldiacetylene/polyethylene blends. <i>Synthetic Metals</i> , <b>2001</b> , 116, 57-60	3.6	9
251	Ultrafast charge separation in substituted sexithiophene amorphous films. <i>Physical Review B</i> , <b>1998</b> , 58, 7740-7744	3.3	9

250	Space-time coupling and collapse threshold for femtosecond pulses in dispersive nonlinear media. <i>Optics Letters</i> , <b>1996</b> , 21, 65-7	3	9
249	Evolutionary divergence of photoprotection in the green algal lineage: a plant-like violaxanthin de-epoxidase enzyme activates the xanthophyll cycle in the green alga <i>Chlorella vulgaris</i> modulating photoprotection. <i>New Phytologist</i> , <b>2020</b> , 228, 136-150	9.8	9
248	Structure and dynamics of the membrane attaching nitric oxide transporter nitrophorin 7. <i>F1000Research</i> , 4, 45	3.6	9
247	A hyperspectral microscope based on an ultrastable common-path interferometer. <i>APL Photonics</i> , <b>2019</b> , 4, 120802	5.2	9
246	Weak Distance Dependence of Hot-Electron-Transfer Rates at the Interface between Monolayer MoS and Gold. <i>ACS Nano</i> , <b>2021</b> , 15, 819-828	16.7	9
245	Exciton-phonon coupling strength in single-layer MoSe at room temperature. <i>Nature Communications</i> , <b>2021</b> , 12, 954	17.4	9
244	Tailoring optical properties and stimulated emission in nanostructured polythiophene. <i>Scientific Reports</i> , <b>2019</b> , 9, 7370	4.9	8
243	Coherent Raman spectroscopy with a fiber-format femtosecond oscillator. <i>Journal of Raman Spectroscopy</i> , <b>2012</b> , 43, 662-667	2.3	8
242	Mapping local field enhancements at nanostructured metal surfaces by second-harmonic generation induced in the near field. <i>Journal of Microscopy</i> , <b>2008</b> , 229, 233-9	1.9	8
241	Interaction between femtosecond laser pulses and CdSxSe1-x quantum dots in glasses. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	8
240	Ultra-fast spectroscopy and extreme nonlinear optics by few-optical-cycle laser pulses. <i>Applied Physics B: Lasers and Optics</i> , <b>2000</b> , 71, 779-786	1.9	8
239	Ultrafast spectroscopy of dark states in solid state sexithiophene. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 6474-6480	3.9	8
238	Continuous-wave mode locking of a bulk erbium-ytterbium glass laser. <i>Optics Letters</i> , <b>1994</b> , 19, 272-4	3	8
237	Experimental observation of transverse effects in microchip solid-state lasers. <i>Applied Physics Letters</i> , <b>1994</b> , 65, 3042-3044	3.4	8
236	Roadmap on multimode light shaping. <i>Journal of Optics (United Kingdom)</i> ,	1.7	8
235	Hot-Carrier Cooling in High-Quality Graphene Is Intrinsically Limited by Optical Phonons. <i>ACS Nano</i> , <b>2021</b> ,	16.7	8
234	Ultrafast, All Optically Reconfigurable, Nonlinear Nanoantenna. <i>ACS Nano</i> , <b>2021</b> ,	16.7	8
233	Single-molecule excitation-emission spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 4064-4069	11.5	8



232	Deep reinforcement learning control of white-light continuum generation. <i>Optica</i> , <b>2021</b> , 8, 239	8.6	8
231	Universal saturation behavior in the transient optical response of plasmonic structures. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	8
230	Liq Defects in Matrix-Immobilized J Aggregates: Tracing Intra-and Intersegmental Exciton Relaxation. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 547-552	6.4	7
229	Dissecting charge relaxation pathways in CdSe/CdS nanocrystals using femtosecond two-dimensional electronic spectroscopy. <i>Nanoscale</i> , <b>2017</b> , 9, 4572-4577	7.7	7
228	Regioselective Hydrogenation of a 60-Carbon Nanographene Molecule toward a Circumbiphenyl Core. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 4230-4234	16.4	7
227	Low-noise, vibrational phase-sensitive chemical imaging by balanced detection RIKE. <i>Journal of Raman Spectroscopy</i> , <b>2015</b> , 46, 109-116	2.3	7
226	Elementary Energy Transfer Pathways in Allochromatium vinosum Photosynthetic Membranes. <i>Biophysical Journal</i> , <b>2015</b> , 109, 1885-98	2.9	7
225	Time-domain measurement of optical activity by an ultrastable common-path interferometer. <i>Optics Letters</i> , <b>2018</b> , 43, 1882-1885	3	7
224	Simultaneous Detection of Local Polarizability and Viscosity by a Single Fluorescent Probe in Cells. <i>Biophysical Journal</i> , <b>2018</b> , 114, 2212-2220	2.9	7
223	Remote detection of single emitters via optical waveguides. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	7
222	Theory and experiments on multistep parametric processes in nonlinear optics. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2011</b> , 28, 892	1.7	7
221	High-repetition-rate two-color pump-probe system directly pumped by a femtosecond ytterbium oscillator. <i>Optics Letters</i> , <b>2009</b> , 34, 620-2	3	7
220	Femtosecond Laser Microfabrication of an Integrated Device for Optical Release and Sensing of Bioactive Compounds. <i>Sensors</i> , <b>2008</b> , 8, 6595-6604	3.8	7
219	Fabrication of guiding structures in nanostructured tinilicate glass ceramic by a focused femtosecond laser. <i>Journal of Non-Crystalline Solids</i> , <b>2005</b> , 351, 1855-1859	3.9	7
218	Stimulated emission dynamics in a hexacatenar liquid crystal. <i>Synthetic Metals</i> , <b>2001</b> , 121, 1323-1324	3.6	7
217	Ultrafast nonequilibrium dynamics of strongly coupled resonances in the intrinsic cavity of WS2 nanotubes. <i>Physical Review Research</i> , <b>2019</b> , 1,	3.9	7
216	Ultrafast Spectroscopy of Graphene-Protected Thin Copper Films. <i>ACS Photonics</i> , <b>2016</b> , 3, 1508-1516	6.3	7
215	Ultrafast Dynamics of Nonrigid Zinc-Porphyrin Arrays Mimicking the Photosynthetic "Special Pair". <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 3443-3450	6.4	7

214	Broadband stimulated Raman scattering microscopy with wavelength-scanning detection. <i>Journal of Raman Spectroscopy</i> , <b>2020</b> , 51, 1951-1959	2.3	6
213	Determination of the spin diffusion length in germanium by spin optical orientation and electrical spin injection. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 425104	3	6
212	Direct evidence of Rabi oscillations and antiresonance in a strongly coupled organic microcavity. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	6
211	Imaging the Electric-Field Distribution in Organic Devices by Confocal Electroreflectance Microscopy. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 1180-1185	15.6	6
210	Observation of spectral drift in engineered quadratic nonlinear media. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 021107	3.4	6
209	Near-field second-harmonic generation from gold nanoellipsoids. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2008</b> , 5, 2657-2661		6
208	Features of high-order harmonic generation in the 30 fs and the sub-10 fs regimes. <i>Journal of Optics</i> , <b>2000</b> , 2, 289-293		6
207	Femtosecond photo-current excitation cross-correlation on a ladder type polymer. <i>Synthetic Metals</i> , <b>2001</b> , 116, 27-30	3.6	6
206	Structure and dynamics of the membrane attaching nitric oxide transporter nitrophorin 7. <i>F1000Research</i> , <b>2015</b> , 4, 45	3.6	6
205	Modeling the Ultrafast Response of Two-Magnon Raman Excitations in Antiferromagnets on the Femtosecond Timescale. <i>Annalen Der Physik</i> , <b>2019</b> , 531, 1900439	2.6	6
204	Below-gap excitation of semiconducting single-wall carbon nanotubes. <i>Nanoscale</i> , <b>2015</b> , 7, 18337-42	7.7	5
203	Invited Article: Complex vibrational susceptibility by interferometric Fourier transform stimulated Raman scattering. <i>APL Photonics</i> , <b>2018</b> , 3, 092403	5.2	5
202	Femtosecond spectroscopy on MoS <sub>2</sub> flakes from liquid exfoliation: surfactant independent exciton dynamics. <i>Journal of Nanophotonics</i> , <b>2015</b> , 10, 012508	1.1	5
201	Broadband optical near-field microscope for nanoscale absorption spectroscopy of organic materials. <i>Journal of Microscopy</i> , <b>2008</b> , 229, 197-202	1.9	5
200	Mapping local field distribution at metal nanostructures by near-field second-harmonic generation <b>2007</b> ,		5
199	Exciton relaxation in single wall carbon nanotubes. <i>Synthetic Metals</i> , <b>2005</b> , 155, 246-249	3.6	5
198	The role of beam profile in high-order harmonic generation by few-optical-cycle pulses. <i>Applied Physics B: Lasers and Optics</i> , <b>2002</b> , 74, s11-s15	1.9	5
197	Photoexcitation of conjugated systems studied with sub-10 fs time resolution. <i>Synthetic Metals</i> , <b>2001</b> , 119, 491-494	3.6	5

196	Electric field-assisted femtosecond pump-probe spectroscopy in organic light emitting diodes. <i>Synthetic Metals</i> , <b>1999</b> , 101, 277-280	3.6	5
195	Photoexcitations of bridged quaterthiophene in solution. <i>Synthetic Metals</i> , <b>1999</b> , 101, 522-523	3.6	5
194	Superabsorption in an organic microcavity: Toward a quantum battery.. <i>Science Advances</i> , <b>2022</b> , 8, eabk3149	14.9	5
193	Plasmonic control of drug release efficiency in agarose gel loaded with gold nanoparticle assemblies. <i>Nanophotonics</i> , <b>2020</b> , 10, 247-257	6.3	5
192	Activation of 2-Cyclohexenone by BF Coordination: Mechanistic Insights from Theory and Experiment. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 10155-10163	16.4	5
191	Non-equilibrium band broadening, gap renormalization and band inversion in black phosphorus. <i>2D Materials</i> , <b>2021</b> , 8, 025020	5.9	5
190	3D Stem Cell Niche Engineering via Two-Photon Laser Polymerization. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1612, 253-266	1.4	4
189	Versatile Control of $^{9}\text{Be}^{+}$ Ions Using a Spectrally Tailored UV Frequency Comb. <i>Physical Review Letters</i> , <b>2019</b> , 122, 123606	7.4	4
188	Ultrafast excited-state charge-transfer dynamics in laccase type I copper site. <i>Biophysical Chemistry</i> , <b>2015</b> , 200-201, 41-7	3.5	4
187	Conformable Nanowire-in-Nanofiber Hybrids for Low-Threshold Optical Gain in the Ultraviolet. <i>ACS Nano</i> , <b>2020</b> , 14, 8093-8102	16.7	4
186	Field-induced charge separation dynamics in monolayer MoS <sub>2</sub> . <i>2D Materials</i> , <b>2017</b> , 4, 035017	5.9	4
185	Micromanufacturing in Fused Silica via Femtosecond Laser Irradiation Followed by Gas-Phase Chemical Etching. <i>Micromachines</i> , <b>2012</b> , 3, 604-614	3.3	4
184	In situ femtosecond spectroelectrochemistry of Au(1 1 1) in an aqueous chloride solution. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 799-803	5.1	4
183	Beam divergence of high-order harmonics generated in the few-optical cycle regime. <i>European Physical Journal Special Topics</i> , <b>2001</b> , 11, Pr2-351-Pr2-354		4
182	Study of few-optical-cycles generation of high-order harmonics. <i>Laser and Particle Beams</i> , <b>2001</b> , 19, 41-45.	5.9	4
181	Ultrafast Excitation Energy Transfer in a Blend of Light-Emitting Conjugated Polymers. <i>Synthetic Metals</i> , <b>1999</b> , 101, 306-307	3.6	4
180	Photophysics of Methyl-Substituted Poly(para-Phenylene)-Type Ladder Polymers <b>1999</b> , 235-258		4
179	Phototoxicity induced in living HeLa cells by focused femtosecond laser pulses: a data-driven approach.. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 7886-7905	3.5	4

178	Coherent phonons and the interplay between charge density wave and Mott phases in $1T\text{-TaSe}_2$ . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	4
177	Tuning the Ultrafast Response of Fano Resonances in Halide Perovskite Nanoparticles. <i>ACS Nano</i> , <b>2020</b> , 14, 13602-13610	16.7	4
176	Effects of tunable excitation in carotenoids explained by the vibrational energy relaxation approach. <i>Photosynthesis Research</i> , <b>2018</b> , 135, 55-64	3.7	4
175	Electrically Tunable Nonequilibrium Optical Response of Graphene.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	4
174	Role of matrix elements in the time-resolved photoemission signal. <i>New Journal of Physics</i> , <b>2020</b> , 22, 023031	2.9	3
173	Surface State Dynamics of Topological Insulators Investigated by Femtosecond Time- and Angle-Resolved Photoemission Spectroscopy. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 694	2.6	3
172	Aufspaltung des Wellenpakets und Doppelpfad-Desaktivierung im photoangeregten Sehpigment Isorhodopsin. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 2537-2541	3.6	3
171	Millijoule-Level Parametric Synthesizer Generating Two-Octave-Wide Optical Waveforms for Strong-Field Experiments <b>2013</b> ,		3
170	Response to Comment on Observation of anomalous acoustic phonon dispersion in $\text{SrTiO}_3$ by broadband stimulated Brillouin scattering [Appl. Phys. Lett. 100, 206101 (2012)]. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 206102	3.4	3
169	Nonlinear optics and spectroscopy at the nanoscale with a hollow-pyramid aperture SNOM. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 61, 125-129	0.3	3
168	A detailed study of the photophysics of organic semiconducting nanospheres. <i>Synthetic Metals</i> , <b>2003</b> , 139, 609-612	3.6	3
167	Influence of environment on the excited state deactivation in functionalized quinquethienyl in solution. <i>Synthetic Metals</i> , <b>2001</b> , 119, 617-618	3.6	3
166	Coherent vibrational dynamics in sexithiophene films. <i>Synthetic Metals</i> , <b>1999</b> , 101, 614-617	3.6	3
165	Spectro-Temporal Characterization of All Channels in a Sub-Optical-Cycle Parametric Waveform Synthesizer <b>2014</b> ,		3
164	Tracking excited state decay mechanisms of pyrimidine nucleosides in real time		3
163	Two-Photon Laser Polymerization: From Fundamentals to Biomedical Application in Tissue Engineering and Regenerative Medicine		3
162	Femtosecond laser fabrication for the integration of optical sensors in microfluidic lab-on-chip devices. <i>Springer Series in Chemical Physics</i> , <b>2009</b> , 973-975	0.3	3
161	Direct observation of the ultrafast electron transfer process in a polymer/fullerene blend. <i>Springer Series in Chemical Physics</i> , <b>2001</b> , 589-591	0.3	3

160	Phase-Locked Pulse Pair for Two-Dimensional Spectroscopy by a Birefringent Delay Line <b>2013</b> ,		3
159	A novel spectroscopic window on conical intersections in biomolecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 26553-26555	11.5	3
158	Superior mechanical and optical properties of a heterogeneous library of cross-linked biomimetic self-assembling peptides. <i>Materials and Design</i> , <b>2020</b> , 194, 108901	8.1	3
157	Singlet Heterofission in Tetracene-Pentacene Thin-Film Blends. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 19966-19973	16.4	3
156	Ultrafast Charge Carrier Dynamics in CuWO Photoanodes.. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 5692-5699	3.8	3
155	All-Optical Modulation with Dielectric Nanoantennas: Multiresonant Control and Ultrafast Spatial Inhomogeneities. <i>Small Science</i> , <b>2021</b> , 1, 2000079		3
154	Four-Channel Differential Lock-in Amplifiers With Autobalancing Network for Stimulated Raman Spectroscopy. <i>IEEE Journal of Solid-State Circuits</i> , <b>2021</b> , 56, 1859-1870	5.5	3
153	Neural precursors cells expanded in a 3D micro-engineered niche present enhanced therapeutic efficacy. <i>Nanotheranostics</i> , <b>2021</b> , 5, 8-26	5.6	3
152	Removal of cross-phase modulation artifacts in ultrafast pump-probe dynamics by deep learning. <i>APL Photonics</i> , <b>2021</b> , 6, 076104	5.2	3
151	Tracking excited state decay mechanisms of pyrimidine nucleosides in real time.. <i>Nature Communications</i> , <b>2021</b> , 12, 7285	17.4	3
150	Photochemistry: Caught in the act. <i>Nature Chemistry</i> , <b>2017</b> , 9, 506-507	17.6	2
149	Stimulated Raman Scattering Microscopy with an All-Optical Modulator. <i>Physical Review Applied</i> , <b>2019</b> , 11,	4.3	2
148	Field-Induced Stimulated Emission in a Polymer-Liquid Crystal Mixture. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 23632-23637	3.8	2
147	Coherent Raman spectroscopy with a graphene-synchronized all-fiber laser <b>2017</b> ,		2
146	Femtosecond Dynamics of Spin-Polarized Electrons in Topological Insulators. <i>IEEE Magnetics Letters</i> , <b>2018</b> , 9, 1-4	1.6	2
145	Maskless, fast and highly selective etching of fused silica with gaseous fluorine and gaseous hydrogen fluoride. <i>Journal of Micromechanics and Microengineering</i> , <b>2014</b> , 24, 025004	2	2
144	Multi-mJ parametric synthesizer generating two-octave-wide optical waveforms <b>2013</b> ,		2
143	Ultrafast carrier cooling and thermalization in lead iodide perovskite probed with two-dimensional electronic spectroscopy <b>2017</b> ,		2

142	Determination of spin diffusion length in Germanium by optical and electrical spin injection <b>2014</b> ,		2
141	Ultrafast Laser Inscription of Photonic Devices in Bulk Dielectrics <b>2013</b> , 323-350		2
140	Real-time observation of ultrafast Rabi oscillations between excitons and plasmons in J-aggregate/metal hybrid nanostructures <b>2013</b> ,		2
139	Electron relaxation in metals and high-Tc superconductors on the 10-fs timescale <b>2011</b> ,		2
138	Response to Comment on Visualizing coherent phonon propagation in the 100 GHz range: A broadband picosecond acoustic approach [Appl. Phys. Lett. 98, 246101 (2011)]. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 246102	3.4	2
137	Double side membrane deformable mirror for pulse shaping <b>2010</b> ,		2
136	A novel diagnostics for polymer degradation based on near-field two-photon photoluminescence. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2008</b> , 5, 2587-2590		2
135	Femtosecond Laser Inscription of Optical Waveguides in Bismuth Ion Doped Glass <b>2007</b> ,		2
134	High energy self-phase-stabilized pulses tunable in the near-IR by difference frequency generation and optical parametric amplification. <i>Laser and Particle Beams</i> , <b>2007</b> , 25, 471-479	0.9	2
133	Probing of bound electron-hole-pairs by optical re-excitation in a short-chain oligomer. <i>Chemical Physics Letters</i> , <b>2003</b> , 381, 751-758	2.5	2
132	Femtosecond laser writing of symmetrical optical waveguides by astigmatically shaped beams <b>2004</b> ,		2
131	Ultrafast photoexcitations in para-hexaphenyl. <i>Synthetic Metals</i> , <b>1999</b> , 101, 660-661	3.6	2
130	In Silico Ultrafast Nonlinear Spectroscopy Meets Experiments: The Case of Perylene Bisimide Dye. <i>Journal of Chemical Theory and Computation</i> , <b>2021</b> , 17, 7134-7145	6.4	2
129	Broadly tunable mid-infrared femtosecond pulses directly generated by an optical parametric amplifier. <i>OSA Continuum</i> ,	1.4	2
128	Time-domain photocurrent spectroscopy based on a common-path birefringent interferometer. <i>Review of Scientific Instruments</i> , <b>2020</b> , 91, 123101	1.7	2
127	Activation of 2-Cyclohexenone by BF <sub>3</sub> Coordination: Mechanistic Insights from Theory and Experiment. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 10243-10251	3.6	2
126	Investigation of the non-equilibrium state of strongly correlated materials by complementary ultrafast spectroscopy techniques. <i>New Journal of Physics</i> , <b>2021</b> , 23, 033025	2.9	2
125	Ultrafast evolution of bulk, surface and surface resonance states in photoexcited [Formula: see text]. <i>Scientific Reports</i> , <b>2021</b> , 11, 4924	4.9	2

124	Magneto-Optical Stark Effect in Fe-Doped CdS Nanocrystals. <i>Nano Letters</i> , <b>2021</b> , 21, 3798-3804	11.5	2
123	Ultrafast electron-hole relaxation dynamics in CdS nanocrystals. <i>JPhys Materials</i> , <b>2021</b> , 4, 034005	4.2	2
122	Tunable broadband light emission from graphene. <i>2D Materials</i> , <b>2021</b> , 8, 035026	5.9	2
121	The Role of Acidic Residues in the C Terminal Tail of the LHCSR3 Protein of in Non-Photochemical Quenching. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 6895-6900	6.4	2
120	Angle-tunable intersubband photoabsorption and enhanced photobleaching in twisted bilayer graphene. <i>Nano Research</i> , <b>2021</b> , 14, 2797-2804	10	2
119	The nuclear import of the transcription factor MyoD is reduced in mesenchymal stem cells grown in a 3D micro-engineered niche. <i>Scientific Reports</i> , <b>2021</b> , 11, 3021	4.9	2
118	Ultrafast Transient Holographic Microscopy. <i>Nano Letters</i> , <b>2021</b> , 21, 1666-1671	11.5	2
117	Direct Evidence for Excitation Energy Transfer Limitations Imposed by Low-Energy Chlorophylls in Photosystem I-Light Harvesting Complex I of Land Plants. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 3566-3573	3.4	2
116	Permanent Dipole Moments Enhance Electronic Coupling and Singlet Fission in Pentacene. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 7453-7458	6.4	2
115	Ultrafast hot carrier transfer in WS <sub>2</sub> /graphene large area heterostructures. <i>Npj 2D Materials and Applications</i> , <b>2022</b> , 6,	8.8	2
114	Intersystem crossing in thiobases proceeds by a dark intermediate state. <i>EPJ Web of Conferences</i> , <b>2019</b> , 205, 10005	0.3	1
113	Ultrafast Carotenoid to Retinal Energy Transfer in Xanthorhodopsin Revealed by the Combination of Transient Absorption and Two-Dimensional Electronic Spectroscopy. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 12084-12092	4.8	1
112	Electrostatic Tuning of the Ligand Binding Mechanism by Glu27 in Nitrophorin 7. <i>Scientific Reports</i> , <b>2018</b> , 8, 10855	4.9	1
111	Optical Parametric Amplifiers <b>2018</b> , 290-301		1
110	Thermal writing of photonic devices in glass and polymers by femtosecond lasers <b>2012</b> , 333-373		1
109	Femtosecond laser two-photon polymerization of three-dimensional scaffolds for tissue engineering and regenerative medicine applications <b>2012</b> ,		1
108	Ultra-Broadband Optical Parametric Amplifiers <b>2013</b> , 23-43		1
107	Ultrafast exciton dissociation at donor/acceptor interfaces <b>2013</b> ,		1

106	<b>2013,</b>			1
105	Ultrafast Non-Thermal Electron Dynamics in Single Layer Graphene. <i>EPJ Web of Conferences</i> , <b>2013</b> , 41, 04025	0.3		1
104	Ultrafast Charge Separation in Low Band-Gap Polymer Blend for Photovoltaics. <i>EPJ Web of Conferences</i> , <b>2013</b> , 41, 04010	0.3		1
103	Plastic optofluidic chip fabricated by femtosecond laser ablation <b>2012,</b>			1
102	Effect of configuration of the microchannels fabricated by femtosecond laser micromachining on topological defects in confined liquid crystals <b>2012,</b>			1
101	Integration of micro-optics and microfluidics in a glass chip by fs-laser for optofluidic applications <b>2009,</b>			1
100	Three-dimensional photonic devices fabricated by ultrafast lasers for optical sensing in lab-on-a-chip <b>2009,</b>			1
99	100-nm internal gain bandwidth in Er:Yb-doped phospho-tellurite waveguides written by femtosecond laser <b>2010,</b>			1
98	Observation of Terahertz Vibrations in the Nitrogenase FeMo Cofactor by Femtosecond Pump-Probe Spectroscopy. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 4004-4007	3.6		1
97	Integration of optical waveguides and microfluidic channels fabricated by femtosecond laser irradiation <b>2007,</b>			1
96	<b>2007,</b>			1
95	Multi-scan femtosecond laser waveguide inscription in z-cut Lithium Niobate <b>2007,</b>			1
94	Double-excitation dynamics in m-LPPP probed with sub-20 fs time resolution. <i>Synthetic Metals</i> , <b>2003</b> , 139, 605-607	3.6		1
93	Ultrafast electric field-assisted pump-probe spectroscopy in poly(9,9-dioctylfluorene) light-emitting diodes. <i>Synthetic Metals</i> , <b>2003</b> , 139, 663-666	3.6		1
92	Femtosecond near-field optical microscope for nonlinear nanospectroscopy <b>2005,</b>			1
91	Near-field vs. far-field polarization properties of hollow pyramid SNOM tips. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2005</b> , 2, 4078-4082			1
90	Spectral analysis of high-order harmonics generated by 30-fs and sub-10-fs laser pulses. <i>Applied Physics B: Lasers and Optics</i> , <b>2000</b> , 70, S215-S220	1.9		1
89	Resonator Designs for High Brightness Solid-State Lasers. <i>NATO ASI Series Series B: Physics</i> , <b>1993</b> , 1-12			1



88	Holmium and thulium lasers: Comparison of solid state systems with potential applications for laser angioplasty. <i>Lasers in Medical Science</i> , <b>1992</b> , 7, 407-413	3.1	1
87	Balanced detection SRS microscopy <b>2022</b> , 81-90		1
86	High-energy sub-cycle optical waveform synthesizer <b>2013</b> ,		1
85	Femtosecond Laser Micromachining: An Enabling Tool for Optofluidics <b>2009</b> ,		1
84	Unified Description of Ultrafast Excited State Decay Processes in Epigenetic Deoxycytidine Derivatives. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 11070-11077	6.4	1
83	Widefield phototransient imaging for visualizing 3D motion of resonant particles in scattering environments.. <i>Nanoscale</i> , <b>2022</b> ,	7.7	1
82	Control of Protonated Schiff Base Excited State Decay within Visual Protein Mimics: A Unified Model for Retinal Chromophores. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 16389-16400	4.8	1
81	Controlling the Motion of Strong-Field, Few-Cycle Photoemitted Electrons in the Near-Field of a Sharp Metal Tip. <i>Springer Proceedings in Physics</i> , <b>2015</b> , 659-662	0.2	1
80	Optofluidic Biochips. <i>Topics in Applied Physics</i> , <b>2012</b> , 389-419	0.5	1
79	Dynamics of Excited-State Evolution in Transition Metal Complexes: Time Resolving Electron Delocalization. <i>Springer Series in Chemical Physics</i> , <b>1998</b> , 627-629	0.3	1
78	Timing jitter characterization of a high-energy sub-cycle optical waveform synthesizer <b>2014</b> ,		1
77	Characterization of Mesenchymal Stem Cell Differentiation within Miniaturized 3D Scaffolds through Advanced Microscopy Techniques. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	1
76	Revealing excited states dynamics in cross-linked covalent hybrids of graphene and diketopyrrolopyrrole oligomers via ultrafast transient absorption spectroscopy. <i>EPJ Web of Conferences</i> , <b>2020</b> , 238, 07007	0.3	1
75	Singlet Fission in Dideuterated Tetracene and Pentacene. <i>ChemPhotoChem</i> , <b>2021</b> , 5, 758-763	3.3	1
74	Dissecting Interlayer Hole and Electron Transfer in Transition Metal Dichalcogenide Heterostructures via Two-Dimensional Electronic Spectroscopy. <i>Nano Letters</i> , <b>2021</b> , 21, 4738-4743	11.5	1
73	Acousto-optic modulator based dispersion scan for phase characterization and shaping of femtosecond mid-infrared pulses. <i>Optics Express</i> , <b>2021</b> , 29, 20970-20980	3.3	1
72	Vibronic dynamics resolved by global and target analysis of ultrafast transient absorption spectra. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 114113	3.9	1
71	A Miniaturized Imaging Window to Quantify Intravital Tissue Regeneration within a 3D Microscaffold in Longitudinal Studies. <i>Advanced Optical Materials</i> , <b>2022</b> , 10, 2101103	8.1	1

70	Artificial Intelligence in Classical and Quantum Photonics. <i>Laser and Photonics Reviews</i> ,2100399	8.3	1
69	Hyperspectral microscopy of two-dimensional semiconductors. <i>Optical Materials: X</i> , <b>2022</b> , 14, 100145	1.7	1
68	Ultrafast excited state dynamics in the monomeric and trimeric photosystem I core complex of <i>Spirulina platensis</i> probed by two-dimensional electronic spectroscopy.. <i>Journal of Chemical Physics</i> , <b>2022</b> , 156, 164202	3.9	1
67	High-resolution crystal structure of a 20 kDa superfluorinated gold nanocluster.. <i>Nature Communications</i> , <b>2022</b> , 13, 2607	17.4	1
66	Optical nonlinearity goes ultrafast in 2D semiconductor-based nanocavities.. <i>Light: Science and Applications</i> , <b>2022</b> , 11, 127	16.7	1
65	Towards broadband two-Dimensional electronic spectroscopy with ~8 fs phase-locked pulses at 400 nm. <i>EPJ Web of Conferences</i> , <b>2019</b> , 205, 03006	0.3	0
64	Influence of the Chemical Design on the Coherent Photoisomerization of Biomimetic Molecular Switches. <i>EPJ Web of Conferences</i> , <b>2013</b> , 41, 05006	0.3	0
63	Field-assisted femtosecond pump/probe measurements on conjugated systems. <i>Optical Materials</i> , <b>1999</b> , 12, 273-277	3.3	0
62	Vibrational imaging for label-free cancer diagnosis and classification. <i>Rivista Del Nuovo Cimento</i> ,1	3.5	0
61	Vibrational phase imaging by stimulated Raman scattering via polarization-division interferometry. <i>Optics Express</i> , <b>2019</b> , 27, 19407-19417	3.3	0
60	Roadmap on bio-nano-photonics. <i>Journal of Optics (United Kingdom)</i> , <b>2021</b> , 23, 073001	1.7	0
59	Broadband Optical Activity Spectroscopy with Interferometric Fourier-Transform Balanced Detection. <i>ACS Photonics</i> , <b>2021</b> , 8, 2234-2242	6.3	0
58	Chemically-Controlled Ultrafast Photothermal Response in Plasmonic Nanostructured Assemblies.. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 6308-6317	3.8	0
57	All-Optical Reconfiguration of Ultrafast Dichroism in Gold Metasurfaces. <i>Advanced Optical Materials</i> ,2108549		0
56	Standoff CARS spectroscopy and imaging using an ytterbium-based laser system.. <i>Optics Express</i> , <b>2022</b> , 30, 15376-15387	3.3	0
55	Two-dimensional electronic spectroscopy of graphene nanoribbons in organic solution. <i>EPJ Web of Conferences</i> , <b>2019</b> , 205, 05005	0.3	
54	Charge-density-wave in 1T-TiSe2: exciton-phonon separation by femtosecond valence band dynamics. <i>EPJ Web of Conferences</i> , <b>2019</b> , 205, 04008	0.3	
53	UV-light induced vibrational coherences explain Kasha rule violation in trans-azobenzene. <i>EPJ Web of Conferences</i> , <b>2019</b> , 205, 09016	0.3	

- 52 Conical intersection dynamics of pyrimidine nucleosides tracked with sub-20-fs UV pulses. *EPJ Web of Conferences*, **2019**, 205, 10007 0.3
- 51 Ultrafast Energy Flow and Equilibration Dynamics in Photosynthetic Light-Harvesting Complexes. *Springer Proceedings in Physics*, **2015**, 595-598 0.2
- 50 Ultrafast optical response of plasmonic structures beyond the perturbative regime: evidence of universal saturation dynamics. *EPJ Web of Conferences*, **2019**, 205, 04022 0.3
- 49 Raman spectroscopy of graphene under ultrafast laser excitation. *EPJ Web of Conferences*, **2019**, 205, 05003 0.3
- 48 Circularly polarized light interaction in topological insulators investigated by time-resolved ARPES. *Journal of Physics: Conference Series*, **2017**, 903, 012036 0.3
- 47 Hot Exciton Dissociation at Organic Interfaces. *Materials Research Society Symposia Proceedings*, **2013**, 1537, 1 0.3
- 46 Ultrafast-Laser-Induced Backward Stimulated Raman Scattering for Tracing Atmospheric Gases. *EPJ Web of Conferences*, **2013**, 41, 12009 0.3
- 45 Quantum coherence controls the charge separation in a prototypical artificial light harvesting system. *EPJ Web of Conferences*, **2013**, 41, 08017 0.3
- 44 Ultra-fast polariton dynamics in an organic microcavity. *EPJ Web of Conferences*, **2013**, 41, 04015 0.3
- 43 Tracing of backward energy transfer from LH1 to LH2 in photosynthetic membranes grown under high and low irradiation.. *EPJ Web of Conferences*, **2013**, 41, 08011 0.3
- 42 Real-time observation of ultrafast Rabi oscillations between excitons and plasmons in metal/molecular aggregate hybrid nanostructures. *EPJ Web of Conferences*, **2013**, 41, 09018 0.3
- 41 Ultrafast Energy Transfer in an Artificial Photosynthetic Antenna. *EPJ Web of Conferences*, **2013**, 41, 08010 0.3
- 40 Coherent Synthesis of ultra-broadband Optical Parametric Amplifiers. *EPJ Web of Conferences*, **2013**, 41, 10002 0.3
- 39 Ultrafast manipulation of the Rabi splitting in metal-molecular aggregate hybrid nanostructures. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2011**, 8, 1113-1116 0.3
- 38 Investigation of Local Dynamics on the Sub-micron Scale in Organic Blends Using an Ultrafast Confocal Microscope. *Materials Research Society Symposia Proceedings*, **2010**, 1270, 1 0.3
- 37 Coherent Orbital Waves in Manganites. *Springer Series in Chemical Physics*, **2009**, 170-172 0.3
- 36 Probing strongly correlated electron dynamics on extreme timescales. *Journal of Physics: Conference Series*, **2009**, 148, 012018 0.3
- 35 Compact fibre-based coherent anti-Stokes Raman scattering spectroscopy and interferometric coherent anti-Stokes Raman scattering from a single femtosecond fibre-laser oscillator **2010**, 75, 1129-1134 0.3

- 34 Ultrafast Photophysics in Conjugated Polymers **2006**, 129-151
- 33 Real time observation of non-linear coherent phonon dynamics in semiconducting single wall carbon nanotubes **2006**, WD2
- 32 Ultra-broadband Optical Parametric Amplifiers **2004**, 3
- 31 Interferometric method for measuring the refractive index profile of optical waveguides directly written in glass substrates by femtosecond laser **2005**, 5858, 31
- 30 Er-doped Waveguide Laser Fabricated by Femtosecond Pulses from a Cavity-dumped Yb-Oscillator **2005**, TuB33
- 29 Sub-20-fs study of energy relaxation in carotenoids in solution and inside light harvesting complexes. *Springer Series in Chemical Physics*, **2005**, 363-367 0.3
- 28 Writing of photonic devices and waveguide lasers by a diode-pumped femtosecond oscillator. *Springer Series in Chemical Physics*, **2005**, 804-806 0.3
- 27 Ultrafast Energy And Electron Transfer In Conjugated Oligomer-Fullerene Molecules. *Materials Research Society Symposia Proceedings*, **2001**, 665, 1
- 26 Collective vibrational coherence in sexithiophenes films. *Optical Materials*, **1999**, 12, 383-386 3.3
- 25 Early events in the photoexcitation of  $\pi$ -conjugated chains studied with sub-10-fs time resolution. *Springer Series in Chemical Physics*, **2001**, 580-582 0.3
- 24 Energy relaxation of carotenoids in solution and in LH2 complexes studied with sub-10-fs temporal resolution. *Springer Series in Chemical Physics*, **2003**, 628-630 0.3
- 23 Charge carrier recombination in poly(9,9-dioctylfluorene) (PFO) studied by electric field-assisted femtosecond spectroscopy. *Springer Series in Chemical Physics*, **2003**, 538-540 0.3
- 22 Coherent vibrational dynamics of green fluorescent proteins and blue coppers proteins. *Springer Series in Chemical Physics*, **2003**, 622-624 0.3
- 21 Double-Excitation Dynamics in m-LPPP probed with sub-20 fs Time Resolution. *Materials Research Society Symposia Proceedings*, **2003**, 771, 561
- 20 Highly Efficient Second-Harmonic Nanosource by Femtosecond Pulse Irradiation of a Metal Tip. *Springer Series in Optical Sciences*, **2004**, 455-459 0.5
- 19 INTERSUBBAND EXCITON RELAXATION DYNAMICS IN SINGLEWALLED CARBON NANOTUBES. *NATO Science Series Series II, Mathematics, Physics and Chemistry*, **2006**, 171-172
- 18 Real time observation of non-linear coherent phonon dynamics in semiconducting single wall carbon nanotubes. *Springer Series in Chemical Physics*, **2007**, 695-697 0.3
- 17 High energy self-phase-stabilized pulses by difference frequency generation and optical parametric amplification. *Springer Series in Chemical Physics*, **2007**, 71-73 0.3

- 16 Mode-Locking of Solid State Lasers by Cascaded Second Order Nonlinearities **1996**, 15-19
- 15 Ultra-Broadband Optical Parametric Amplifiers in the Visible and in the Near-Infrared. *Springer Series in Chemical Physics*, **1998**, 49-53 0.3
- 14 Ultrafast Dynamics of Field-Induced Charge Generation in Conducting Polymers. *Springer Series in Chemical Physics*, **1998**, 304-306 0.3
- 13 Coherent Ultrafast Charge Transfer in an Organic Photovoltaic Blend. *Springer Proceedings in Physics*, **2015**, 557-560 0.2
- 12 Ultrafast Non-thermal Response of Plasmonic Resonance in Gold Nanoantennas. *Springer Proceedings in Physics*, **2015**, 679-682 0.2
- 11 High-Energy Sub-Optical-Cycle Parametric Waveform Synthesizer. *Springer Proceedings in Physics*, **2015**, 785-788 0.2
- 10 Sub-two-cycle pulses at 1.6 fs from an optical parametric amplifier. *Springer Series in Chemical Physics*, **2009**, 870-872 0.3
- 9 Ultrafast Confocal Microscope for Functional Imaging of Organic Thin Films. *Springer Proceedings in Physics*, **2009**, 161-165 0.2
- 8 Coherent phonons in cyanine dye monomers and J-aggregates. *Springer Series in Chemical Physics*, **2009**, 370-372 0.3
- 7 Observation of High-Frequency Coherent Vibrational Motion with Strongly Chirped Probe Pulses. *Springer Series in Chemical Physics*, **2009**, 337-339 0.3
- 6 Temporal dynamics of polaritons in a strongly coupled organic-semiconductor microcavity. *Springer Series in Chemical Physics*, **2009**, 283-285 0.3
- 5 Temporal Optimization of Ultrabroadband Optical Parametric Chirped Pulse Amplification. *Springer Series in Chemical Physics*, **2009**, 819-821 0.3
- 4 Clocking the Collapse of a Mott Gap. *Springer Series in Chemical Physics*, **2009**, 167-169 0.3
- 3 Generation of Broadband mid-infrared Pulses from an Optical Parametric Amplifier. *Springer Series in Chemical Physics*, **2009**, 783-785 0.3
- 2 Singlet Heterofission in Tetracene-Pentacene Thin-Film Blends. *Angewandte Chemie*, **2020**, 132, 20141-20148 3.148
- 1 Deciphering Photoinduced Charge Transfer Dynamics in a Cross-Linked Graphene-Dye Nanohybrid.. *Journal of Physical Chemistry C*, **2022**, 126, 3569-3581 3.8