

Giulio Cerullo

List of Publications by Year in Descending Order

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

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	Superabsorption in an organic microcavity: Toward a quantum battery.. <i>Science Advances</i> , 2022 , 8, eabk3169	14.9	5
644	Balanced detection SRS microscopy 2022 , 81-90		1
643	Widefield phototransient imaging for visualizing 3D motion of resonant particles in scattering environments.. <i>Nanoscale</i> , 2022 ,	7.7	1
642	Electrically Tunable Nonequilibrium Optical Response of Graphene.. <i>ACS Nano</i> , 2022 ,	16.7	4
641	Deciphering Photoinduced Charge Transfer Dynamics in a Cross-Linked Graphene-Dye Nanohybrid.. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 3569-3581	3.8	
640	A Miniaturized Imaging Window to Quantify Intravital Tissue Regeneration within a 3D Microscaffold in Longitudinal Studies. <i>Advanced Optical Materials</i> , 2022 , 10, 2101103	8.1	1
639	Chemically-Controlled Ultrafast Photothermal Response in Plasmonic Nanostructured Assemblies.. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 6308-6317	3.8	0
638	Ultrafast hot carrier transfer in WS ₂ /graphene large area heterostructures. <i>Npj 2D Materials and Applications</i> , 2022 , 6,	8.8	2
637	Hyperspectral microscopy of two-dimensional semiconductors. <i>Optical Materials: X</i> , 2022 , 14, 100145	1.7	1
636	Standoff CARS spectroscopy and imaging using an ytterbium-based laser system.. <i>Optics Express</i> , 2022 , 30, 15376-15387	3.3	0
635	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> , 2022 , 156, 164202	3.9	1
634	High-resolution crystal structure of a 20 kDa superfluorinated gold nanocluster.. <i>Nature Communications</i> , 2022 , 13, 2607	17.4	1
633	Optical nonlinearity goes ultrafast in 2D semiconductor-based nanocavities.. <i>Light: Science and Applications</i> , 2022 , 11, 127	16.7	1
632	Unified Description of Ultrafast Excited State Decay Processes in Epigenetic Deoxycytidine Derivatives. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 11070-11077	6.4	1
631	Phototoxicity induced in living HeLa cells by focused femtosecond laser pulses: a data-driven approach.. <i>Biomedical Optics Express</i> , 2021 , 12, 7886-7905	3.5	4
630	In Silico Ultrafast Nonlinear Spectroscopy Meets Experiments: The Case of Perylene Bisimide Dye. <i>Journal of Chemical Theory and Computation</i> , 2021 , 17, 7134-7145	6.4	2
629	Control of Protonated Schiff Base Excited State Decay within Visual Protein Mimics: A Unified Model for Retinal Chromophores. <i>Chemistry - A European Journal</i> , 2021 , 27, 16389-16400	4.8	1

628	Activation of 2-Cyclohexenone by BF ₃ Coordination: Mechanistic Insights from Theory and Experiment. <i>Angewandte Chemie</i> , 2021 , 133, 10243-10251	3.6	2
627	Ultrafast Charge Carrier Dynamics in CuWO Photoanodes.. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 5692-5699	3.8	3
626	Adjusting the energy of interfacial states in organic photovoltaics for maximum efficiency. <i>Nature Communications</i> , 2021 , 12, 1772	17.4	12
625	Activation of 2-Cyclohexenone by BF Coordination: Mechanistic Insights from Theory and Experiment. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10155-10163	16.4	5
624	Investigation of the non-equilibrium state of strongly correlated materials by complementary ultrafast spectroscopy techniques. <i>New Journal of Physics</i> , 2021 , 23, 033025	2.9	2
623	Ultrafast evolution of bulk, surface and surface resonance states in photoexcited [Formula: see text]. <i>Scientific Reports</i> , 2021 , 11, 4924	4.9	2
622	Magneto-Optical Stark Effect in Fe-Doped CdS Nanocrystals. <i>Nano Letters</i> , 2021 , 21, 3798-3804	11.5	2
621	Ultrafast electron-hole relaxation dynamics in CdS nanocrystals. <i>JPhys Materials</i> , 2021 , 4, 034005	4.2	2
620	Optical tuning of dielectric nanoantennas for thermo-optically reconfigurable nonlinear metasurfaces. <i>Optics Letters</i> , 2021 , 46, 2453-2456	3	14
619	Singlet Fission in Dideuterated Tetracene and Pentacene. <i>ChemPhotoChem</i> , 2021 , 5, 758-763	3.3	1
618	Dissecting Interlayer Hole and Electron Transfer in Transition Metal Dichalcogenide Heterostructures via Two-Dimensional Electronic Spectroscopy. <i>Nano Letters</i> , 2021 , 21, 4738-4743	11.5	1
617	All-Optical Modulation with Dielectric Nanoantennas: Multiresonant Control and Ultrafast Spatial Inhomogeneities. <i>Small Science</i> , 2021 , 1, 2000079		3
616	Tunable broadband light emission from graphene. <i>2D Materials</i> , 2021 , 8, 035026	5.9	2
615	Roadmap on bio-nano-photonics. <i>Journal of Optics (United Kingdom)</i> , 2021 , 23, 073001	1.7	0
614	Hot-Carrier Cooling in High-Quality Graphene Is Intrinsically Limited by Optical Phonons. <i>ACS Nano</i> , 2021 ,	16.7	8
613	Four-Channel Differential Lock-in Amplifiers With Autobalancing Network for Stimulated Raman Spectroscopy. <i>IEEE Journal of Solid-State Circuits</i> , 2021 , 56, 1859-1870	5.5	3
612	Acousto-optic modulator based dispersion scan for phase characterization and shaping of femtosecond mid-infrared pulses. <i>Optics Express</i> , 2021 , 29, 20970-20980	3.3	1
611	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> , 2021 , 12, 6895-6900	6.4	2

610	Ultrafast, All Optically Reconfigurable, Nonlinear Nanoantenna. <i>ACS Nano</i> , 2021 ,	16.7	8
609	Weak Distance Dependence of Hot-Electron-Transfer Rates at the Interface between Monolayer MoS and Gold. <i>ACS Nano</i> , 2021 , 15, 819-828	16.7	9
608	Optical parametric amplification by monolayer transition metal dichalcogenides. <i>Nature Photonics</i> , 2021 , 15, 6-10	33.9	19
607	Neural precursors cells expanded in a 3D micro-engineered niche present enhanced therapeutic efficacy. <i>Nanotheranostics</i> , 2021 , 5, 8-26	5.6	3
606	Non-equilibrium band broadening, gap renormalization and band inversion in black phosphorus. <i>2D Materials</i> , 2021 , 8, 025020	5.9	5
605	Angle-tunable intersubband photoabsorption and enhanced photobleaching in twisted bilayer graphene. <i>Nano Research</i> , 2021 , 14, 2797-2804	10	2
604	Visualizing Ultrafast Electron Transfer Processes in Semiconductor-Metal Hybrid Nanoparticles: Toward Excitonic-Plasmonic Light Harvesting. <i>Nano Letters</i> , 2021 , 21, 1461-1468	11.5	12
603	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> , 2021 , 11, 3021	4.9	2
602	Ultrafast Transient Holographic Microscopy. <i>Nano Letters</i> , 2021 , 21, 1666-1671	11.5	2
601	Phonon-Mediated Interlayer Charge Separation and Recombination in a MoSe/WSe Heterostructure. <i>Nano Letters</i> , 2021 , 21, 2165-2173	11.5	22
600	Exciton-phonon coupling strength in single-layer MoSe at room temperature. <i>Nature Communications</i> , 2021 , 12, 954	17.4	9
599	Deep reinforcement learning control of white-light continuum generation. <i>Optica</i> , 2021 , 8, 239	8.6	8
598	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> , 2021 , 125, 3566-3573	3.4	2
597	Removal of cross-phase modulation artifacts in ultrafast pump-probe dynamics by deep learning. <i>APL Photonics</i> , 2021 , 6, 076104	5.2	3
596	Broadband Optical Activity Spectroscopy with Interferometric Fourier-Transform Balanced Detection. <i>ACS Photonics</i> , 2021 , 8, 2234-2242	6.3	0
595	Permanent Dipole Moments Enhance Electronic Coupling and Singlet Fission in Pentacene. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 7453-7458	6.4	2
594	Vibronic dynamics resolved by global and target analysis of ultrafast transient absorption spectra. <i>Journal of Chemical Physics</i> , 2021 , 155, 114113	3.9	1
593	Tracking excited state decay mechanisms of pyrimidine nucleosides in real time.. <i>Nature Communications</i> , 2021 , 12, 7285	17.4	3

592	Nonlinear Optical Microscopy: From Fundamentals to Applications in Live Bioimaging. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 585363	5.8	14
591	Conformable Nanowire-in-Nanofiber Hybrids for Low-Threshold Optical Gain in the Ultraviolet. <i>ACS Nano</i> , 2020 , 14, 8093-8102	16.7	4
590	How Exciton Interactions Control Spin-Depolarization in Layered Hybrid Perovskites. <i>Nano Letters</i> , 2020 , 20, 5678-5685	11.5	9
589	Strongly Coupled Coherent Phonons in Single-Layer MoS. <i>ACS Nano</i> , 2020 , 14, 5700-5710	16.7	15
588	Role of matrix elements in the time-resolved photoemission signal. <i>New Journal of Physics</i> , 2020 , 22, 023031	2.9	3
587	Ultrafast excited-state dynamics in land plants Photosystem I core and whole supercomplex under oxidised electron donor conditions. <i>Photosynthesis Research</i> , 2020 , 144, 221-233	3.7	10
586	Tracking attosecond electronic coherences using phase-manipulated extreme ultraviolet pulses. <i>Nature Communications</i> , 2020 , 11, 883	17.4	32
585	Modulating the Electronic and Solid-State Structure of Organic Semiconductors by Site-Specific Substitution: The Case of Tetrafluoropentacenes. <i>Chemistry - A European Journal</i> , 2020 , 26, 3420-3434	4.8	9
584	Broadband stimulated Raman scattering microscopy with wavelength-scanning detection. <i>Journal of Raman Spectroscopy</i> , 2020 , 51, 1951-1959	2.3	6
583	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> , 2020 , 228, 136-150	9.8	9
582	Plasmonic control of drug release efficiency in agarose gel loaded with gold nanoparticle assemblies. <i>Nanophotonics</i> , 2020 , 10, 247-257	6.3	5
581	Harvesting Delayed Fluorescence in Perovskite Nanocrystals Using Spin-Forbidden Mn d States. <i>ACS Energy Letters</i> , 2020 , 5, 353-359	20.1	13
580	Ultrafast Spectroscopy: State of the Art and Open Challenges. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3-15	16.4	73
579	Dark Subgap States in Metal-Halide Perovskites Revealed by Coherent Multidimensional Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020 , 142, 777-782	16.4	12
578	A Unified Experimental/Theoretical Description of the Ultrafast Photophysics of Single and Double Thionated Uracils. <i>Chemistry - A European Journal</i> , 2020 , 26, 336-343	4.8	17
577	Transient optical symmetry breaking for ultrafast broadband dichroism in plasmonic metasurfaces. <i>Nature Photonics</i> , 2020 , 14, 723-727	33.9	21
576	A novel spectroscopic window on conical intersections in biomolecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 26553-26555	11.5	3
575	Superior mechanical and optical properties of a heterogeneous library of cross-linked biomimetic self-assembling peptides. <i>Materials and Design</i> , 2020 , 194, 108901	8.1	3

574	Coherent phonons and the interplay between charge density wave and Mott phases in 1T-TaSe ₂ . <i>Physical Review B</i> , 2020 , 102,	3.3	4
573	Tuning the Ultrafast Response of Fano Resonances in Halide Perovskite Nanoparticles. <i>ACS Nano</i> , 2020 , 14, 13602-13610	16.7	4
572	Sub-cycle millijoule-level parametric waveform synthesizer for attosecond science. <i>Nature Photonics</i> , 2020 , 14, 629-635	33.9	28
571	Characterization of Mesenchymal Stem Cell Differentiation within Miniaturized 3D Scaffolds through Advanced Microscopy Techniques. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
570	Time-domain photocurrent spectroscopy based on a common-path birefringent interferometer. <i>Review of Scientific Instruments</i> , 2020 , 91, 123101	1.7	2
569	Singlet Heterofission in Tetracene-Pentacene Thin-Film Blends. <i>Angewandte Chemie</i> , 2020 , 132, 20141-20148	16.4	3
568	Singlet Heterofission in Tetracene-Pentacene Thin-Film Blends. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19966-19973	16.4	3
567	The ultrafast onset of exciton formation in 2D semiconductors. <i>Nature Communications</i> , 2020 , 11, 5277	17.4	28
566	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> , 2020 , 238, 07007	0.3	1
565	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> , 2020 , 142, 16117-16139	16.4	23
564	Removing non-resonant background from CARS spectra via deep learning. <i>APL Photonics</i> , 2020 , 5, 061305	5.2	13
563	Effect of the 3D Artificial Nichoid on the Morphology and Mechanobiological Response of Mesenchymal Stem Cells Cultured In Vitro. <i>Cells</i> , 2020 , 9,	7.9	11
562	Ultrafast Photophysics of 2D Semiconductors and Related Heterostructures. <i>Trends in Chemistry</i> , 2020 , 2, 28-42	14.8	17
561	Ultrafast Dynamics of Nonrigid Zinc-Porphyrin Arrays Mimicking the Photosynthetic "Special Pair". <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3443-3450	6.4	7
560	Two-dimensional electronic spectroscopy of graphene nanoribbons in organic solution. <i>EPJ Web of Conferences</i> , 2019 , 205, 05005	0.3	
559	Towards broadband two-Dimensional electronic spectroscopy with ~8 fs phase-locked pulses at 400 nm. <i>EPJ Web of Conferences</i> , 2019 , 205, 03006	0.3	0
558	Charge-density-wave in 1T-TiSe ₂ : exciton-phonon separation by femtosecond valence band dynamics. <i>EPJ Web of Conferences</i> , 2019 , 205, 04008	0.3	
557	UV-light induced vibrational coherences explain Kasha rule violation in trans-azobenzene. <i>EPJ Web of Conferences</i> , 2019 , 205, 09016	0.3	

556	Intersystem crossing in thiobases proceeds by a dark intermediate state. <i>EPJ Web of Conferences</i> , 2019 , 205, 10005	0.3	1
555	Conical intersection dynamics of pyrimidine nucleosides tracked with sub-20-fs UV pulses. <i>EPJ Web of Conferences</i> , 2019 , 205, 10007	0.3	
554	Tailoring optical properties and stimulated emission in nanostructured polythiophene. <i>Scientific Reports</i> , 2019 , 9, 7370	4.9	8
553	Molecular Mechanisms of Nonphotochemical Quenching in the LHCSR3 Protein of <i>Chlamydomonas reinhardtii</i> . <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 2500-2505	6.4	13
552	Stimulated Raman Scattering Microscopy with an All-Optical Modulator. <i>Physical Review Applied</i> , 2019 , 11,	4.3	2
551	Exciton Trapping Dynamics in DNA Multimers. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1639-1643	6.4	15
550	Ultrafast free carrier dynamics in black phosphorus/holybdenum disulfide (BP/MoS ₂) heterostructures. <i>Nanoscale Horizons</i> , 2019 , 4, 1099-1105	10.8	26
549	Versatile Control of ⁹ Be ⁺ Ions Using a Spectrally Tailored UV Frequency Comb. <i>Physical Review Letters</i> , 2019 , 122, 123606	7.4	4
548	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> , 2019 , 116, 8161-8166	11.5	13
547	Regioselective Hydrogenation of a 60-Carbon Nanographene Molecule toward a Circumbiphenyl Core. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4230-4234	16.4	7
546	In Operando Photoelectrochemical Femtosecond Transient Absorption Spectroscopy of WO ₃ /BiVO ₄ Heterojunctions. <i>ACS Energy Letters</i> , 2019 , 4, 2213-2219	20.1	22
545	Ultrafast optical response of plasmonic structures beyond the perturbative regime: evidence of universal saturation dynamics. <i>EPJ Web of Conferences</i> , 2019 , 205, 04022	0.3	
544	Multi-foci laser microfabrication of 3D polymeric scaffolds for stem cell expansion in regenerative medicine. <i>Scientific Reports</i> , 2019 , 9, 11761	4.9	26
543	Coherent anti-Stokes Raman spectroscopy of single and multi-layer graphene. <i>Nature Communications</i> , 2019 , 10, 3658	17.4	21
542	Raman spectroscopy of graphene under ultrafast laser excitation. <i>EPJ Web of Conferences</i> , 2019 , 205, 05003	0.3	
541	Extended Pyrene-Fused Double [7]Carbohelicene as a Chiral Polycyclic Aromatic Hydrocarbon. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12797-12803	16.4	65
540	Laser-driven quantum magnonics and terahertz dynamics of the order parameter in antiferromagnets. <i>Physical Review B</i> , 2019 , 100,	3.3	20
539	Hot Electrons Modulation of Third-Harmonic Generation in Graphene. <i>ACS Photonics</i> , 2019 , 6, 2841-2849	6.3	22

538	Excitonic and lattice contributions to the charge density wave in 1T ₁ Se ₂ revealed by a phonon bottleneck. <i>Physical Review Research</i> , 2019 , 1,	3.9	15
537	Ultrafast nonequilibrium dynamics of strongly coupled resonances in the intrinsic cavity of WS ₂ nanotubes. <i>Physical Review Research</i> , 2019 , 1,	3.9	7
536	Hyperspectral imaging with a TWINS birefringent interferometer. <i>Optics Express</i> , 2019 , 27, 15956-15967	3.3	17
535	Vibrational phase imaging by stimulated Raman scattering via polarization-division interferometry. <i>Optics Express</i> , 2019 , 27, 19407-19417	3.3	0
534	Transient Species Mediating Energy Transfer to Spin-Forbidden Mn d States in II _{VI} Semiconductor Quantum Dots. <i>ACS Energy Letters</i> , 2019 , 4, 729-735	20.1	19
533	Single-molecule excitation-emission spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 4064-4069	11.5	8
532	A hyperspectral microscope based on an ultrastable common-path interferometer. <i>APL Photonics</i> , 2019 , 4, 120802	5.2	9
531	Modeling the Ultrafast Response of Two-Magnon Raman Excitations in Antiferromagnets on the Femtosecond Timescale. <i>Annalen Der Physik</i> , 2019 , 531, 1900439	2.6	6
530	Photocatalytic activity of exfoliated graphite-TiO nanoparticle composites. <i>Nanoscale</i> , 2019 , 11, 19301-19314	12.7	12
529	Two-dimensional UV spectroscopy: a new insight into the structure and dynamics of biomolecules. <i>Chemical Science</i> , 2019 , 10, 9907-9921	9.4	24
528	PumpPushProbe for Ultrafast All-Optical Switching: The Case of a Nanographene Molecule. <i>Advanced Functional Materials</i> , 2019 , 29, 1805249	15.6	24
527	Robust singlet fission in pentacene thin films with tuned charge transfer interactions. <i>Nature Communications</i> , 2018 , 9, 954	17.4	50
526	UV-Light-Induced Vibrational Coherences: The Key to Understand Kasha Rule Violation in trans-Azobenzene. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 1534-1541	6.4	76
525	Femtosecond Dynamics of Spin-Polarized Electrons in Topological Insulators. <i>IEEE Magnetics Letters</i> , 2018 , 9, 1-4	1.6	2
524	Charge dynamics in aluminum oxide thin film studied by ultrafast scanning electron microscopy. <i>Ultramicroscopy</i> , 2018 , 187, 93-97	3.1	9
523	Resonant broadband stimulated Raman scattering in myoglobin. <i>Journal of Raman Spectroscopy</i> , 2018 , 49, 913-920	2.3	11
522	Broadband nonlinear optical response of monolayer MoSe ₂ under ultrafast excitation. <i>Applied Physics Letters</i> , 2018 , 112, 031108	3.4	21
521	Raman spectroscopy of graphene under ultrafast laser excitation. <i>Nature Communications</i> , 2018 , 9, 308	17.4	47

520	Out-of-plane heat transfer in van der Waals stacks through electron-hyperbolic phonon coupling. <i>Nature Nanotechnology</i> , 2018 , 13, 41-46	28.7	87
519	Multimodal nonlinear microscope based on a compact fiber-format laser source. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 188, 135-140	4.4	12
518	Carotenoid-to-bacteriochlorophyll energy transfer through vibronic coupling in LH2 from <i>Phaeosprillum molischianum</i> . <i>Photosynthesis Research</i> , 2018 , 135, 45-54	3.7	15
517	Charge trapping and coalescence dynamics in few layer MoS ₂ . <i>2D Materials</i> , 2018 , 5, 015011	5.9	18
516	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> , 2018 , 24, 12084-12092	4.8	1
515	Time- and frequency-resolved fluorescence with a single TCSPC detector via a Fourier-transform approach. <i>Optics Express</i> , 2018 , 26, 2270-2279	3.3	10
514	Time-domain measurement of optical activity by an ultrastable common-path interferometer. <i>Optics Letters</i> , 2018 , 43, 1882-1885	3	7
513	Intrinsic Properties of Single Graphene Nanoribbons in Solution: Synthetic and Spectroscopic Studies. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10416-10420	16.4	31
512	Invited Article: Complex vibrational susceptibility by interferometric Fourier transform stimulated Raman scattering. <i>APL Photonics</i> , 2018 , 3, 092403	5.2	5
511	Broadband Coherent Raman Scattering Microscopy. <i>Laser and Photonics Reviews</i> , 2018 , 12, 1800020	8.3	44
510	Surface State Dynamics of Topological Insulators Investigated by Femtosecond Time- and Angle-Resolved Photoemission Spectroscopy. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 694	2.6	3
509	Charge Carrier Dynamics in Photocatalytic Hybrid Semiconductor-Metal Nanorods: Crossover from Auger Recombination to Charge Transfer. <i>Nano Letters</i> , 2018 , 18, 5211-5216	11.5	34
508	Electrostatic Tuning of the Ligand Binding Mechanism by Glu27 in Nitrophorin 7. <i>Scientific Reports</i> , 2018 , 8, 10855	4.9	1
507	Optical Parametric Amplifiers 2018 , 290-301		1
506	Linear absorption spectra of solvated thiouracils resolved at the hybrid RASPT2/MM level. <i>Chemical Physics</i> , 2018 , 515, 643-653	2.3	13
505	Simultaneous Detection of Local Polarizability and Viscosity by a Single Fluorescent Probe in Cells. <i>Biophysical Journal</i> , 2018 , 114, 2212-2220	2.9	7
504	Picosecond Capture of Photoexcited Electrons Improves Photovoltaic Conversion in MAPbI ₃ :C-Doped Planar and Mesoporous Solar Cells. <i>Advanced Materials</i> , 2018 , 30, e1801496	24	13
503	Effects of tunable excitation in carotenoids explained by the vibrational energy relaxation approach. <i>Photosynthesis Research</i> , 2018 , 135, 55-64	3.7	4

502	Intravalley Spin-Flip Relaxation Dynamics in Single-Layer WS. <i>Nano Letters</i> , 2018 , 18, 6882-6891	11.5	50
501	Ultrafast relaxation dynamics in a polymer: fullerene blend for organic photovoltaics probed by two-dimensional electronic spectroscopy. <i>European Physical Journal B</i> , 2018 , 91, 1	1.2	15
500	Mechanical Vibrations of Atomically Defined Metal Clusters: From Nano- to Molecular-Size Oscillators. <i>Nano Letters</i> , 2018 , 18, 6842-6849	11.5	42
499	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> , 2018 , 140, 16087-16093	16.4	39
498	Universal saturation behavior in the transient optical response of plasmonic structures. <i>Physical Review B</i> , 2018 , 98,	3.3	8
497	Ultraviolet Transient Absorption Spectrometer with Sub-20-fs Time Resolution. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 989	2.6	25
496	Broadband, electrically tunable third-harmonic generation in graphene. <i>Nature Nanotechnology</i> , 2018 , 13, 583-588	28.7	143
495	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017 , 23, 88-96	3.8	13
494	Low Defects in Matrix-Immobilized J Aggregates: Tracing Intra-and Intersegmental Exciton Relaxation. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 547-552	6.4	7
493	Mottness at finite doping and charge-instabilities in cuprates. <i>Nature Physics</i> , 2017 , 13, 806-811	16.2	16
492	Wavelength-Dependent Ultrafast Charge Carrier Separation in the WO ₃ /BiVO ₄ Coupled System. <i>ACS Energy Letters</i> , 2017 , 2, 1362-1367	20.1	82
491	Two-Dimensional Electronic Spectroscopy Unravels sub-100 fs Electron and Hole Relaxation Dynamics in Cd-Chalcogenide Nanostructures. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2285-2290	6.4	14
490	Femtosecond Charge-Injection Dynamics at Hybrid Perovskite Interfaces. <i>ChemPhysChem</i> , 2017 , 18, 2381-2389	21	21
489	3D Stem Cell Niche Engineering via Two-Photon Laser Polymerization. <i>Methods in Molecular Biology</i> , 2017 , 1612, 253-266	1.4	4
488	Photochemistry: Caught in the act. <i>Nature Chemistry</i> , 2017 , 9, 506-507	17.6	2
487	Dissecting charge relaxation pathways in CdSe/CdS nanocrystals using femtosecond two-dimensional electronic spectroscopy. <i>Nanoscale</i> , 2017 , 9, 4572-4577	7.7	7
486	Lattice Distortions Drive Electron-Hole Correlation within Micrometer-Size Lead-Iodide Perovskite Crystals. <i>ACS Energy Letters</i> , 2017 , 2, 265-269	20.1	15
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