# Luis M Campos

List of Publications by Year
in descending order



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|---|---|---|---|
| 113 papers | 8,274 citations | 50273 46 h-index | 46795 89 g-index |
| 118 all docs | 118 docs citations | 118 times ranked | 9151 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Singlet fission and triplet pair recombination in bipentacenes with a twist. Materials Horizons, 2022, 9, 462-470. | 12.2 | 14 |
| 2 | Quantifying Exciton Transport in Singlet Fission Diblock Copolymers. Journal of the American Chemical Society, 2022, 144, 3269-3278. | 13.7 | 17 |
| 3 | Interplay between Magnetoresistance and Kondo Resonance in Radical Single-Molecule Junctions. Nano Letters, 2022, 22, 5773-5779. | 9.1 | 10 |
| 4 | Highly conducting single-molecule topological insulators based on mono- and di-radical cations. Nature Chemistry, 2022, 14, 1061-1067. | 13.6 | 38 |
| 5 | In silico prediction of annihilators for tripletâ€"triplet annihilation upconversion via auxiliary-field quantum Monte Carlo. Chemical Science, 2021, 12, 1068-1079. | 7.4 | 7 |
| 6 | Photon Upconversion Hydrogels for 3D Optogenetics. Advanced Functional Materials, 2021, 31, 2010907. | 14.9 | 19 |
| 7 | Pentaceneâ€"Bridge Interactions in an Axially Chiral Binaphthyl Pentacene Dimer. Journal of Physical Chemistry A, 2021, 125, 7226-7234. | 2.5 | 7 |
| 8 | Destructive quantum interference in heterocyclic alkanes: the search for ultra-short molecular insulators. Chemical Science, 2021, 12, 10299-10305. | 7.4 | 17 |
| 9 | Singlet fission in a hexacene dimer: energetics dictate dynamics. Chemical Science, 2020, 11, 1079-1084. | 7.4 | 35 |
| 10 | Impact of Electrostatic Interactions on the Self-Assembly of Charge-Neutral Block Copolyelectrolytes. Macromolecules, 2020, 53, 548-557. | 4.8 | 14 |
| 11 | Molecular Engineering of Chromophores to Enable Tripletâ€"Triplet Annihilation Upconversion. Journal of the American Chemical Society, 2020, 142, 19917-19925. | 13.7 | 42 |
| 12 | Cyclopropenium Nanoparticles and Gene Transfection in Cells. Pharmaceutics, 2020, 12, 768. | 4.5 | 17 |
| 13 | Bridge Resonance Effects in Singlet Fission. Journal of Physical Chemistry A, 2020, 124, 9392-9399. | 2.5 | 16 |
| 14 | Asymmetric trisalkylamine cyclopropenium derivatives with antimicrobial activity. Bioorganic Chemistry, 2020, 102, 104069. | 4.1 | 1 |
| 15 | Charge transfer states impact the triplet pair dynamics of singlet fission polymers. Journal of Chemical Physics, 2020, 153, 244902. | 3.0 | 13 |
| 16 | Ultra-fast intramolecular singlet fission to persistent multiexcitons by molecular design. Nature Chemistry, 2019, 11, 821-828. | 13.6 | 85 |
| 17 | Understanding the Bound Triplet-Pair State in Singlet Fission. CheM, 2019, 5, 1988-2005. | 11.7 | 63 |
| 18 | Molecular conductance versus inductive effects of axial ligands on the electrocatalytic activity of self-assembled iron phthalocyanines: The oxygen reduction reaction. Electrochimica Acta, 2019, 327, 134996. | 5.2 | 14 |

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|---|---|---|---|
| 19 | Photoredox catalysis using infrared light via triplet fusion upconversion. Nature, 2019, 565, 343-346. | 27.8 | 447 |
| 20 | Impact of building block structure on ion transport in cyclopropenium-based polymerized ionic liquids. Polymer Chemistry, 2019, 10, 2832-2839. | 3.9 | 11 |
| 21 | Abbildung des Orbitals des ungepaarten Elektrons in einem stabilen, organischen Radikal anhand seiner Kondoâ€Resonanz. Angewandte Chemie, 2019, 131, 11179-11183. | 2.0 | 1 |
| 22 | Persistent Multiexcitons from Polymers with Pendent Pentacenes. Journal of the American Chemical Society, 2019, 141, 9564-9569. | 13.7 | 31 |
| 23 | Resolving the Unpairedâ€Electron Orbital Distribution in a Stable Organic Radical by Kondo Resonance Mapping. Angewandte Chemie - International Edition, 2019, 58, 11063-11067. | 13.8 | 27 |
| 24 | Microphase segregation and selective chain scission of poly(2â€methylâ€2â€oxazoline)â€blockâ€polystyrene. Journal of Polymer Science Part A, 2019, 57, 1349-1357. | 2.3 | 5 |
| 25 | Hierarchical patterns with sub-20 nm pattern fidelity via block copolymer self-assembly and soft nanotransfer printing. Polymer Chemistry, 2019, 10, 3194-3200. | 3.9 | 3 |
| 26 | Cyclopropenium-Based Biodegradable Polymers. Macromolecules, 2019, 52, 3543-3550. | 4.8 | 7 |
| 27 | The Environment-Dependent Behavior of the Blatter Radical at the Metalâ€"Molecule Interface. Nano Letters, 2019, 19, 2543-2548. | 9.1 | 54 |
| 28 | Annihilator dimers enhance triplet fusion upconversion. Chemical Science, 2019, 10, 3969-3975. | 7.4 | 51 |
| 29 | Non-chemisorbed goldâ€"sulfur binding prevails in self-assembled monolayers. Nature Chemistry, 2019, 11, 351-358. | 13.6 | 202 |
| 30 | Tunable Emission from Triplet Fusion Upconversion in Diketopyrrolopyrroles. Journal of the American Chemical Society, 2019, 141, 3777-3781. | 13.7 | 66 |
| 31 | Anticipating Acene-Based Chromophore Spectra with Molecular Orbital Arguments. Journal of Physical Chemistry A, 2019, 123, 2527-2536. | 2.5 | 21 |
| 32 | Breaking Down Resonance: Nonlinear Transport and the Breakdown of Coherent Tunneling Models in Single Molecule Junctions. Nano Letters, 2019, 19, 2555-2561. | 9.1 | 32 |
| 33 | The butterfly effect in bisfluorenylidene-based dihydroacenes: aggregation induced emission and spin switching. Chemical Science, 2019, 10, 10733-10739. | 7.4 | 42 |
| 34 | Ion Transport in Cyclopropenium-Based Polymerized Ionic Liquids. Macromolecules, 2018, 51, 1681-1687. | 4.8 | 45 |
| 35 | Multifunctional Vesicles from a Self-assembled Cluster-Containing Diblock Copolymer. Journal of the American Chemical Society, 2018, 140, 5607-5611. | 13.7 | 23 |
| 36 | Crosslinked colloids with cyclopropenium cations. Journal of Polymer Science Part A, 2018, 56, 2641-2645. | 2.3 | 6 |

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| 37 | Tuning the polarity of charge carriers using electron deficient thiophenes. Chemical Science, 2017, 8, 3254-3259. | 7.4 | 23 |
| 38 | Influence of Nanostructure on the Exciton Dynamics of Multichromophore Donorâ€"Acceptor Block Copolymers. ACS Nano, 2017, 11, 4593-4598. | 14.6 | 15 |
| 39 | Reversible on-surface wiring of resistive circuits. Chemical Science, 2017, 8, 4340-4346. | 7.4 | 5 |
| 40 | Singlet Fission: Progress and Prospects in Solar Cells. Advanced Materials, 2017, 29, 1601652. | 21.0 | 158 |
| 41 | A reversible single-molecule switch based on activated antiaromaticity. Science Advances, 2017, 3, eaao2615. | 10.3 | 94 |
| 42 | A Birds-Eye View of the Uphill Landscape in Endothermic Singlet Fission. CheM, 2017, 3, 536-538. | 11.7 | 4 |
| 43 | Triplet Harvesting from Intramolecular Singlet Fission in Polytetracene. Advanced Materials, 2017, 29, 1701416. | 21.0 | 70 |
| 44 | Distinct properties of the triplet pair state from singlet fission. Science Advances, 2017, 3, e1700241. | 10.3 | 102 |
| 45 | Fully charged: Maximizing the potential of cationic polyelectrolytes in applications ranging from membranes to gene delivery through rational design. Journal of Polymer Science Part A, 2017, 55, 3167-3174. | 2.3 | 16 |
| 46 | Dimerization of Endohedral Fullerene in a Superatomic Crystal. Chemistry - A European Journal, 2017, 23, 13305-13308. | 3.3 | 13 |
| 47 | Photophysical characterization and time-resolved spectroscopy of a anthradithiophene dimer: exploring the role of conformation in singlet fission. Physical Chemistry Chemical Physics, 2017, 19, 23162-23175. | 2.8 | 31 |
| 48 | Tuning Singlet Fission in Ï€-Bridge-Ï€ Chromophores. Journal of the American Chemical Society, 2017, 139, 12488-12494. | 13.7 | 147 |
| 49 | Quintet multiexciton dynamics in singlet fission. Nature Physics, 2017, 13, 182-188. | 16.7 | 220 |
| 50 | Influence of Substituent Chain Branching on the Transfection Efficacy of Cyclopropenium-Based Polymers. Polymers, 2017, 9, 79. | 4.5 | 13 |
| 51 | Preparation of nonâ€spherical particles from amphiphilic block copolymers. Journal of Polymer Science Part A, 2016, 54, 750-757. | 2.3 | 21 |
| 52 | Intramolecular Singlet Fission in Oligoacene Heterodimers. Angewandte Chemie, 2016, 128, 3434-3438. | 2.0 | 38 |
| 53 | Exciton Correlations in Intramolecular Singlet Fission. Journal of the American Chemical Society, 2016, 138, 7289-7297. | 13.7 | 117 |
| 54 | A Direct Mechanism of Ultrafast Intramolecular Singlet Fission in Pentacene Dimers. ACS Central Science, 2016, 2, 316-324. | 11.3 | 176 |

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|---|---|---|---|
| 55 | Clickable Poly(ionic liquids): A Materials Platform for Transfection. Angewandte Chemie, 2016, 128, 12570-12574. | 2.0 | 4 |
| 56 | Clickable Poly(ionic liquids): A Materials Platform for Transfection. Angewandte Chemie - International Edition, 2016, 55, 12382-12386. | 13.8 | 47 |
| 57 | Mapping the Transmission Functions of Single-Molecule Junctions. Nano Letters, 2016, 16, 3949-3954. | 9.1 | 58 |
| 58 | Intramolecular Singlet Fission in Oligoacene Heterodimers. Angewandte Chemie - International Edition, 2016, 55, 3373-3377. | 13.8 | 109 |
| 59 | Properties of Poly- and Oligopentacenes Synthesized from Modular Building Blocks. Macromolecules, 2016, 49, 1279-1285. | 4.8 | 34 |
| 60 | PROFILE: Early Excellence inPhysical Organic Chemistry. Journal of Physical Organic Chemistry, 2015, 28, 575-576. | 1.9 | 0 |
| 61 | Single-molecule diodes with high rectification ratios through environmental control. Nature Nanotechnology, 2015, 10, 522-527. | 31.5 | 360 |
| 62 | Fast Singlet Exciton Decay in Pushâ€"Pull Molecules Containing Oxidized Thiophenes. Journal of Physical Chemistry B, 2015, 119, 7644-7650. | 2.6 | 34 |
| 63 | Molecular length dictates the nature of charge carriers in single-molecule junctions of oxidized oligothiophenes. Nature Chemistry, 2015, 7, 209-214. | 13.6 | 147 |
| 64 | The evolution of cyclopropenium ions into functional polyelectrolytes. Nature Communications, 2015, 6, 5950. | 12.8 | 54 |
| 65 | A design strategy for intramolecular singlet fission mediated by charge-transfer states inÂdonorâ€"acceptor organic materials. Nature Materials, 2015, 14, 426-433. | 27.5 | 298 |
| 66 | Correlating Structure and Function in Organic Electronics: From Single Molecule Transport to Singlet Fission. Chemistry of Materials, 2015, 27, 5453-5463. | 6.7 | 50 |
| 67 | Quantitative Intramolecular Singlet Fission in Bipentacenes. Journal of the American Chemical Society, 2015, 137, 8965-8972. | 13.7 | 324 |
| 68 | Synthesis of Robust Surface-Charged Nanoparticles Based on Cyclopropenium Ions. Macromolecules, 2015, 48, 2519-2525. | 4.8 | 16 |
| 69 | Three-Phase Morphology of Semicrystalline Polymer Semiconductors: A Quantitative Analysis. ACS Macro Letters, 2015, 4, 1051-1055. | 4.8 | 28 |
| 70 | Polymeric supramolecular assemblies based on multivalent ionic interactions for biomedical applications. Polymer, 2014, 55, 453-464. | 3.8 | 59 |
| 71 | Hierarchically Ordered Nanopatterns for Spatial Control of Biomolecules. ACS Nano, 2014, 8, 11846-11853. | 14.6 | 23 |
| 72 | Control of Single-Molecule Junction Conductance of Porphyrins via a Transition-Metal Center. Nano Letters, 2014, 14, 5365-5370. | 9.1 | 83 |

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| 73 | Enthalpy of fusion of poly(3-hexylthiophene) by differential scanning calorimetry. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 1469-1475. | 2.1 | 28 |
| 74 | Length-Dependent Conductance of Oligothiophenes. Journal of the American Chemical Society, 2014, 136, 10486-10492. | 13.7 | 127 |
| 75 | Engineering Topochemical Polymerizations Using Block Copolymer Templates. Journal of the American Chemical Society, 2014, 136, 13381-13387. | 13.7 | 65 |
| 76 | Breakdown of Interference Rules in Azulene, a Nonalternant Hydrocarbon. Nano Letters, 2014, 14, 2941-2945. | 9.1 | 113 |
| 77 | Impact of Molecular Symmetry on Single-Molecule Conductance. Journal of the American Chemical Society, 2013, 135, 11724-11727. | 13.7 | 57 |
| 78 | Advancements and challenges of patterning biomolecules with sub-50 nm features. Soft Matter, 2013, 9, 6578. | 2.7 | 41 |
| 79 | Materials for the preparation of polymer pen lithography tip arrays and a comparison of their printing properties. Journal of Polymer Science Part A, 2013, 51, 1533-1539. | 2.3 | 24 |
| 80 | Monoliths of Semiconducting Block Copolymers by Magnetic Alignment. ACS Nano, 2013, 7, 5514-5521. | 14.6 | 56 |
| 81 | Strongly Phase-Segregating Block Copolymers with Sub-20 nm Features. ACS Macro Letters, 2013, 2, 677-682. | 4.8 | 25 |
| 82 | A facile synthesis of clickable and acid-cleavable PEO for acid-degradable block copolymers. Polymer Chemistry, 2012, 3, 1890-1898. | 3.9 | 83 |
| 83 | Nanopatterning Biomolecules by Block Copolymer Self-Assembly. ACS Macro Letters, 2012, 1, 758-763. | 4.8 | 33 |
| 84 | The preparation of thiophene-S,S-dioxides and their role in organic electronics. Journal of Materials Chemistry, 2012, 22, 12945. | 6.7 | 52 |
| 85 | Low-temperature ketene formation in materials chemistry through molecular engineering. Chemical Science, 2012, 3, 766-771. | 7.4 | 33 |
| 86 | A facile route to patterned epitaxial ZnO nanostructures by soft lithography. Journal of Materials Chemistry, 2011, 21, 14417. | 6.7 | 19 |
| 87 | Stimuli-Responsive Azulene-Based Conjugated Oligomers with Polyaniline-like Properties. Journal of the American Chemical Society, 2011, 133, 10046-10049. | 13.7 | 161 |
| 88 | A General Approach to Controlling the Surface Composition of Poly(ethylene oxide)-Based Block Copolymers for Antifouling Coatings. Langmuir, 2011, 27, 13762-13772. | 3.5 | 106 |
| 89 | De Novo Design of Bioactive Protein-Resembling Nanospheres via Dendrimer-Templated Peptide Amphiphile Assembly. Nano Letters, 2011, 11, 3946-3950. | 9.1 | 49 |
| 90 | Poly(allyl glycidyl ether)â€A versatile and functional polyether platform. Journal of Polymer Science Part A, 2011, 49, 4498-4504. | 2.3 | 104 |

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| 91 | Tunable, High Modulus Hydrogels Driven by Ionic Coacervation. Advanced Materials, 2011, 23, 2327-2331. | 21.0 | 315 |
| 92 | Modular Hydrogels: Tunable, High Modulus Hydrogels Driven by Ionic Coacervation (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 | 21.0 | 1 |
| 93 | Nanostructured Hybrid Solar Cells: Dependence of the Open Circuit Voltage on the Interfacial Composition. Advanced Materials, 2010, 22, 4982-4986. | 21.0 | 21 |
| 94 | A versatile approach to high-throughput microarrays using thiol-ene chemistry. Nature Chemistry, 2010, 2, 138-145. | 13.6 | 206 |
| 95 | A facile route to ketene-functionalized polymers for general materials applications. Nature Chemistry, 2010, 2, 207-212. | 13.6 | 109 |
| 96 | Accelerated Growth of Dendrimers via Thiolâˆ'Ene and Esterification Reactions. Macromolecules, 2010, 43, 6004-6013. | 4.8 | 90 |
| 97 | Applications of Photocurable PMMS Thiolâˆ'Ene Stamps in Soft Lithography. Chemistry of Materials, 2009, 21, 5319-5326. | 6.7 | 77 |
| 98 | Radical Reactions with Double Memory of Chirality (2MOC) for the Enantiospecific Synthesis of Adjacent Stereogenic Quaternary Centers in Solution: Cleavage and Bonding Faster than Radical Rotation. Journal of the American Chemical Society, 2009, 131, 8425-8433. | 13.7 | 25 |
| 99 | Synthesis, properties, and LED performance of highly luminescent metal complexes containing indolizino[3,4,5-ab]isoindoles. Journal of Materials Chemistry, 2009, 19, 5826. | 6.7 | 21 |
| 100 | Highly ordered nanoporous thin films by blending of PStâ€‹bâ€PMMA block copolymers and PEO additives as structure directing agents. Journal of Polymer Science Part A, 2008, 46, 8041-8048. | 2.3 | 13 |
| 101 | Highly Versatile and Robust Materials for Soft Imprint Lithography Based on Thiolâ€ene Click Chemistry. Advanced Materials, 2008, 20, 3728-3733. | 21.0 | 193 |
| 102 | Robust, Efficient, and Orthogonal Synthesis of Dendrimers via Thiol-ene â€œClickâ€• Chemistry. Journal of the American Chemical Society, 2008, 130, 5062-5064. | 13.7 | 738 |
| 103 | Development of Thermal and Photochemical Strategies for Thiolâˆ'Ene Click Polymer Functionalization. Macromolecules, 2008, 41, 7063-7070. | 4.8 | 430 |
| 104 | Holographic Recording in Cross-Linked Polymeric Matrices through Photoacid Generation. Chemistry of Materials, 2008, 20, 3669-3674. | 6.7 | 6 |
| 105 | Photophysical properties of non-homoconjugated 1,2-dihydro, 1,2,3,4-tetrahydro and 1,2,3,4,5,6-hexahydro-C60derivatives. Photochemical and Photobiological Sciences, 2008, 7, 49-55. | 2.9 | 15 |
| 106 | Norrish Type I vs. Norrish-Yang Type II in the Solid State Photochemistry of CIS-2,6-DI(1-Cyclohexenyl)-Cyclohexanone: A Computational Study. Molecular Crystals and Liquid Crystals, 2006, 456, 15-24. | 0.9 | 5 |
| 107 | Crystal Phases and Phase Transitions in a Highly Polymorphogenic Solid-State Molecular Gyroscope withmeta-Methoxytrityl Frames. Crystal Growth and Design, 2006, 6, 866-873. | 3.0 | 15 |
| 108 | Photolysis of Heptanal. Journal of Organic Chemistry, 2006, 71, 6403-6408. | 3.2 | 20 |

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| 109 | Extended Photocurrent Spectrum of a Low Band Gap Polymer in a Bulk Heterojunction Solar Cell. Chemistry of Materials, 2005, 17, 4031-4033. | 6.7 | 193 |
| 110 | Secondary Alpha Isotope Effects on Deuterium Tunneling in Tripleto-Methylanthrones:Â Extraordinary Sensitivity to Barrier Width. Journal of the American Chemical Society, 2005, 127, 10178-10179. | 13.7 | 17 |
| 111 | H-abstraction prevails over Î±-cleavage in the solution and solid state photochemistry of cis-2,6-di(1-cyclohexenyl)cyclohexanone. Tetrahedron Letters, 2003, 44, 6133-6136. | 1.4 | 12 |
| 112 | Engineering Reactions in Crystalline Solids:Â Predicting Photochemical Decarbonylation from Calculated Thermochemical Parameters. Journal of Organic Chemistry, 2002, 67, 3749-3754. | 3.2 | 47 |
| 113 | Reactive Intermediates in Crystals: Form and Function. , 0, , 271-331. | | 6 |