

# Lei Li

## List of Publications by Year in descending order

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38  
papers

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citations

430442

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433756

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43  
docs citations

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times ranked

1148  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toluene and Ethylbenzene Aliphatic C-H Bond Oxidations Initiated by a Dicopper(II)-1,2-Peroxo Complex. <i>Journal of the American Chemical Society</i> , 2009, 131, 3230-3245.	6.6	149
2	Adenosyl Radical: Reagent and Catalyst in Enzyme Reactions. <i>ChemBioChem</i> , 2010, 11, 604-621.	1.3	95
3	Changing Selectivity of DNA Oxidation from Deoxyribose to Guanine by Ligand Design and a New Binuclear Copper Complex. <i>Journal of the American Chemical Society</i> , 2005, 127, 520-521.	6.6	93
4	Targeted Guanine Oxidation by a Dinuclear Copper(II) Complex at Single Stranded/Double Stranded DNA Junctions. <i>Inorganic Chemistry</i> , 2006, 45, 7144-7159.	1.9	70
5	Photochemistry and Photobiology of the Spore Photoproduct: A 50-Year Journey. <i>Photochemistry and Photobiology</i> , 2015, 91, 1263-1290.	1.3	50
6	Exogenous Nitrile Substrate Hydroxylation by a New Dicopper-Hydroperoxide Complex. <i>Journal of the American Chemical Society</i> , 2005, 127, 15360-15361.	6.6	46
7	Elucidation of Spore Photoproduct Formation by Isotope Labeling. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9926-9929.	7.2	39
8	Mechanism of Benzylsuccinate Synthase Probed by Substrate and Isotope Exchange. <i>Journal of the American Chemical Society</i> , 2006, 128, 16056-16057.	6.6	34
9	Probing the Reaction Mechanism of Spore Photoproduct Lyase (SPL) via Diastereoselectively Labeled Dinucleotide SP TpT Substrates. <i>Journal of the American Chemical Society</i> , 2011, 133, 10434-10447.	6.6	34
10	Redox behavior of the molybdenum and tungsten metallafullerenes M( $\beta$ -2-C60)(CO) <sub>2</sub> (phen)(dbm) (phen=1,10-phenanthroline; dbm=dibutyl maleate): (spectro)electrochemistry and theoretical considerations. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 965-970.	1.1	33
11	Reactivity Study of a Hydroperoxodicopper(II) Complex: Hydroxylation, Dehydrogenation, and Ligand Cross-Link Reactions. <i>Inorganic Chemistry</i> , 2006, 45, 7160-7172.	1.9	33
12	A Radical Transfer Pathway in Spore Photoproduct Lyase. <i>Biochemistry</i> , 2013, 52, 3041-3050.	1.2	32
13	Subunit Structure of Benzylsuccinate Synthase. <i>Biochemistry</i> , 2009, 48, 1284-1292.	1.2	31
14	Mechanistic Studies of the Spore Photoproduct Lyase via a Single Cysteine Mutation. <i>Biochemistry</i> , 2012, 51, 7173-7188.	1.2	31
15	Spore Photoproduct Lyase: The Known, the Controversial, and the Unknown. <i>Journal of Biological Chemistry</i> , 2015, 290, 4003-4009.	1.6	31
16	Deuterium Isotope Effects in the Unusual Addition of Toluene to Fumarate Catalyzed by Benzylsuccinate Synthase. <i>Biochemistry</i> , 2006, 45, 13932-13938.	1.2	28
17	Oxidation and Reduction of the (2-Deoxyuridinyl)methyl Radical. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5594-5598.	7.2	25
18	Chemical Synthesis, Crystal Structure and Enzymatic Evaluation of a Dinucleotide Spore Photoproduct Analogue Containing a Formacetal Linker. <i>Chemistry - A European Journal</i> , 2011, 17, 9658-9668.	1.7	22

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19	Optical limiting property of molybdenum complex of fullerene C70. <i>Optics Communications</i> , 2000, 184, 309-313.	1.0	18
20	Mechanistic studies of the radical SAM enzyme spore photoproduct lyase (SPL). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 1264-1277.	1.1	15
21	Chemical Syntheses of Oligodeoxyribonucleotides Containing Spore Photoproduct. <i>Journal of Organic Chemistry</i> , 2013, 78, 3021-3029.	1.7	15
22	The structure of an authentic spore photoproduct lesion in DNA suggests a basis for recognition. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 752-759.	2.5	14
23	Reactivity of Damaged Pyrimidines: DNA Cleavage via Hemiaminal Formation at the C4 Positions of the Saturated Thymine of Spore Photoproduct and Dihydrouridine. <i>Journal of the American Chemical Society</i> , 2014, 136, 12938-12946.	6.6	9
24	The Enzyme-Mediated Direct Reversal of a Dithymine Photoproduct in Germinating Endospores. <i>International Journal of Molecular Sciences</i> , 2013, 14, 13137-13153.	1.8	8
25	Indications of 5â€² to 3â€² Interbase Electron Transfer as the First Step of Pyrimidine Dimer Formation Probed by a Dinucleotide Analog. <i>Chemistry - A European Journal</i> , 2017, 23, 7526-7537.	1.7	8
26	Expanding the Horizon of the Thymine Isostere Biochemistry: Unique Cyclobutane Dimers Formed by Photoreaction between a Thymine and a Toluene Residue in the Dinucleotide Framework. <i>Chemistry - A European Journal</i> , 2012, 18, 7823-7833.	1.7	6
27	An Unexpected Deamination Reaction after Hydrolysis of the Pyrimidine (6-4) Pyrimidone Photoproduct. <i>Organic Letters</i> , 2014, 16, 5076-5079.	2.4	6
28	Unusually Large Deuterium Discrimination during Spore Photoproduct Formation. <i>Journal of Organic Chemistry</i> , 2014, 79, 4843-4851.	1.7	6
29	Reactivity of Damaged Pyrimidines: Formation of a Schiff Base Intermediate at the Glycosidic Bond of Saturated Dihydrouridine. <i>Journal of the American Chemical Society</i> , 2015, 137, 3318-3329.	6.6	5
30	Photochemical Reactions of Microcrystalline Thymidine. <i>Organic Letters</i> , 2015, 17, 824-827.	2.4	4
31	Spore photoproduct within DNA is a surprisingly poor substrate for its designated repair enzymeâ€”The spore photoproduct lyase. <i>DNA Repair</i> , 2017, 53, 31-42.	1.3	4
32	EPR Study of UV-Irradiated Thymidine Microcrystals Supports Radical Intermediates in Spore Photoproduct Formation. <i>Journal of Physical Chemistry B</i> , 2016, 120, 10923-10931.	1.2	3
33	Kinetic Isotope Effects and Hydrogen/Deuterium Exchange Reveal Large Conformational Changes During the Catalysis of the <i>Clostridium acetobutylicum</i> Spore Photoproduct Lyase. <i>Photochemistry and Photobiology</i> , 2017, 93, 331-342.	1.3	3
34	Using Organic Synthesis and Chemical Analysis to Understand the Photochemistry of Spore Photoproduct and Other Pyrimidine Dimers. <i>Synlett</i> , 2018, 29, 15-33.	1.0	2
35	Correction to Probing the Reaction Mechanism of Spore Photoproduct Lyase (SPL) via Diastereoselectively Labeled Dinucleotide SP TpT Substrates. <i>Journal of the American Chemical Society</i> , 2012, 134, 20858-20858.	6.6	1
36	Examining the base stacking interaction in a dinucleotide context via reversible cyclobutane dimer analogue formation under UV irradiation. <i>RSC Advances</i> , 2013, 3, 19545.	1.7	1

#	ARTICLE	IF	CITATIONS
37	Insights into the Activity Change of Spore Photoproduct Lyase Induced by Mutations at a Peripheral Glycine Residue. <i>Frontiers in Chemistry</i> , 2017, 5, 14.	1.8	1
38	Reversible Hydrolysis Reaction with the Spore Photoproduct under Alkaline Conditions. <i>Journal of Organic Chemistry</i> , 2016, 81, 8570-8576.	1.7	0