

# Elango Kumarasamy

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

2,812  
citations

218592

26  
h-index

302012

39  
g-index

49  
all docs

49  
docs citations

49  
times ranked

2243  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonbiaryl and Heterobiaryl Atropisomers: Molecular Templates with Promise for Atropselective Chemical Transformations. <i>Chemical Reviews</i> , 2015, 115, 11239-11300.	23.0	517
2	Quantitative Intramolecular Singlet Fission in Bipentacenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 8965-8972.	6.6	324
3	Quintet multiexciton dynamics in singlet fission. <i>Nature Physics</i> , 2017, 13, 182-188.	6.5	220
4	A Direct Mechanism of Ultrafast Intramolecular Singlet Fission in Pentacene Dimers. <i>ACS Central Science</i> , 2016, 2, 316-324.	5.3	176
5	Tuning Singlet Fission in $\pi$ -Bridge $\pi$ Chromophores. <i>Journal of the American Chemical Society</i> , 2017, 139, 12488-12494.	6.6	147
6	Exciton Correlations in Intramolecular Singlet Fission. <i>Journal of the American Chemical Society</i> , 2016, 138, 7289-7297.	6.6	117
7	Intramolecular Singlet Fission in Oligoacene Heterodimers. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3373-3377.	7.2	109
8	Distinct properties of the triplet pair state from singlet fission. <i>Science Advances</i> , 2017, 3, e1700241.	4.7	102
9	Ultra-fast intramolecular singlet fission to persistent multiexcitons by molecular design. <i>Nature Chemistry</i> , 2019, 11, 821-828.	6.6	85
10	Tailoring Atropisomeric Maleimides for Stereospecific [2 + 2] Photocycloaddition—Photochemical and Photophysical Investigations Leading to Visible-Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 8729-8737.	6.6	80
11	Ionic Fluorogels for Remediation of Per- and Polyfluorinated Alkyl Substances from Water. <i>ACS Central Science</i> , 2020, 6, 487-492.	5.3	80
12	Triplet Harvesting from Intramolecular Singlet Fission in Polytetracene. <i>Advanced Materials</i> , 2017, 29, 1701416.	11.1	70
13	Singlet Fission in Polypentacene. <i>CheM</i> , 2016, 1, 505-511.	5.8	69
14	Understanding the Bound Triplet-Pair State in Singlet Fission. <i>CheM</i> , 2019, 5, 1988-2005.	5.8	63
15	Realizing an Aza Patern $\tilde{A}$ chi Reaction. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7056-7061.	7.2	61
16	The Environment-Dependent Behavior of the Blatter Radical at the Metal—Molecule Interface. <i>Nano Letters</i> , 2019, 19, 2543-2548.	4.5	54
17	Transposed Patern $\tilde{A}$ chi Reaction. <i>Journal of the American Chemical Society</i> , 2017, 139, 655-662.	6.6	47
18	Tale of Twisted Molecules. Atropselective Photoreactions: Taming Light Induced Asymmetric Transformations through Non-biaryl Atropisomers. <i>Accounts of Chemical Research</i> , 2016, 49, 2713-2724.	7.6	45

#	ARTICLE	IF	CITATIONS
19	Intramolecular Singlet Fission in Oligoacene Heterodimers. <i>Angewandte Chemie</i> , 2016, 128, 3434-3438.	1.6	38
20	Singlet fission in a hexacene dimer: energetics dictate dynamics. <i>Chemical Science</i> , 2020, 11, 1079-1084.	3.7	35
21	Light-Induced Enantiospecific 4π Ring Closure of Axially Chiral 2-Pyridones: Enthalpic and Entropic Effects Promoted by H-Bonding. <i>Journal of the American Chemical Society</i> , 2011, 133, 17106-17109.	6.6	34
22	Properties of Poly- and Oligopentacenes Synthesized from Modular Building Blocks. <i>Macromolecules</i> , 2016, 49, 1279-1285.	2.2	34
23	Persistent Multiexcitons from Polymers with Pendent Pentacenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 9564-9569.	6.6	31
24	Intramolecular PaternÅ²chi reaction of atropisomeric Î±-oxoamides in solution and in the solid-state. <i>Chemical Communications</i> , 2013, 49, 8713.	2.2	30
25	Light-induced stereospecific intramolecular [2+2]-cycloaddition of atropisomeric 3,4-dihydro-2-pyridones. <i>Chemical Communications</i> , 2013, 49, 4346-4348.	2.2	30
26	Photophysical aspects of 6-methylcoumarinâ€“cucurbit[8]uril hostâ€“guest complexes. <i>Canadian Journal of Chemistry</i> , 2011, 89, 310-316.	0.6	29
27	Enantiospecific Photochemical Transformations under Elevated Pressure. <i>Chemistry - A European Journal</i> , 2013, 19, 4327-4334.	1.7	26
28	Realizing the Photoene Reaction with Alkenes under Visible Light Irradiation and Bypassing the Favored [2 + 2]-Photocycloaddition. <i>Journal of the American Chemical Society</i> , 2018, 140, 13185-13189.	6.6	22
29	Anticipating Acene-Based Chromophore Spectra with Molecular Orbital Arguments. <i>Journal of Physical Chemistry A</i> , 2019, 123, 2527-2536.	1.1	21
30	Enantiospecific photochemical 6π-ring closure of Î±-substituted atropisomeric acrylanilidesâ€“role of alkali metal ions. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 141-144.	1.6	19
31	Fun with Photons: Selective Light Induced Reactions in Solution and in Water Soluble Nano-containers. <i>Chimia</i> , 2011, 65, 202.	0.3	18
32	Realizing an Aza PaternÅ²chi Reaction. <i>Angewandte Chemie</i> , 2017, 129, 7162-7167.	1.6	16
33	Bridge Resonance Effects in Singlet Fission. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9392-9399.	1.1	16
34	Photochemistry of Atropisomers: Non-biaryl Atropisomers for Stereospecific Phototransformations. <i>Chemistry Letters</i> , 2014, 43, 1816-1825.	0.7	14
35	Singlet fission and triplet pair recombination in bipentacenes with a twist. <i>Materials Horizons</i> , 2022, 9, 462-470.	6.4	14
36	Engaging electronic effects for atropselective [5+2]-photocycloaddition of maleimides. <i>Chemical Communications</i> , 2016, 52, 8305-8308.	2.2	8

#	ARTICLE	IF	CITATIONS
37	Pentaceneâ€“Bridge Interactions in an Axially Chiral Binaphthyl Pentacene Dimer. Journal of Physical Chemistry A, 2021, 125, 7226-7234.	1.1	7
38	Chemoselective Photoreaction of Enamides: Divergent Reactivity towards [3+2]â€“Photocycloaddition <i>vs</i> PaternÃ²â€“BÃ¼chi Reaction<sup>â€“</sup>. Photochemistry and Photobiology, 2021, 97, 1391-1396.	1.3	3
39	Frontispiece: Realizing an Aza PaternÃ²â€“BÃ¼chi Reaction. Angewandte Chemie - International Edition, 2017, 56, .	7.2	0
40	Frontispiz: Realizing an Aza PaternÃ²â€“BÃ¼chi Reaction. Angewandte Chemie, 2017, 129, .	1.6	0
41	Non-Biaryl Atropisomers: Anilides, Amides, Lactams, and Analogues with Câ€“C and Câ€“X Stereogenic Axes. , 2019, , 489-540.		0