

Falk Renth

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3058055/publications.pdf>

Version: 2024-02-01

20
papers

943
citations

687363

13
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

1176
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient Reversible $Z \rightleftharpoons E$ Photoisomerization of a Bridged Azobenzene with Visible Light through Resolved $S_1(n\pi^*)$ Absorption Bands. <i>Journal of the American Chemical Society</i> , 2009, 131, 15594-15595.	13.7	445
2	Femtosecond fluorescence up-conversion spectroscopy of adenine and adenosine: experimental evidence for the $\pi\pi^*$ state?. <i>Chemical Physics</i> , 2005, 313, 199-212.	1.9	93
3	Superior $Z \rightleftharpoons E$ and $E \rightleftharpoons Z$ photoswitching dynamics of dihydrodibenzodiazocine, a bridged azobenzene, by $S_1(n\pi^*)$ excitation at $\lambda = 387$ and 490 nm. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 1054-1063.	2.8	86
4	Photochemical properties of multi-azobenzene compounds. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 511-518.	2.9	45
5	Parallel ultrafast $E \rightarrow C$ ring closure and $E \rightarrow Z$ isomerisation in a photochromic furylfulgide studied by femtosecond time-resolved spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5952.	2.8	35
6	Enhanced photoswitching and ultrafast dynamics in structurally modified photochromic fulgides. <i>International Reviews in Physical Chemistry</i> , 2013, 32, 1-38.	2.3	30
7	Ultrafast transient absorption spectroscopy of the photo-induced $Z \rightarrow E$ isomerization of a photochromic furylfulgide. <i>Chemical Physics Letters</i> , 2006, 428, 62-67.	2.6	28
8	Sequential photoisomerisation dynamics of the push-pull azobenzene Disperse Red 1. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1210-1219.	2.9	28
9	Tuning of switching properties and excited-state dynamics of fulgides by structural modifications. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3800.	2.8	26
10	Photochromism of Rotationally Hindered Furylfulgides Influenced by Steric Modifications. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1947-1955.	2.4	26
11	Femtosecond spectroscopy reveals huge differences in the photoisomerisation dynamics between azobenzenes linked to polymers and azobenzenes in solution. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 11549.	2.8	21
12	Ultrafast dynamics of UV-excited <i>trans</i> - and <i>cis</i> -ferulic acid in aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 30683-30694.	2.8	20
13	A femtosecond pump-probe spectrometer for dynamics in transmissive polymer films. <i>Applied Physics B: Lasers and Optics</i> , 2015, 118, 185-193.	2.2	14
14	Electronic and steric effects on the photo-induced $C \rightarrow E$ ring-opening of structurally modified furylfulgides. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15699.	2.8	13
15	Ultrafast $Z \rightleftharpoons E$ photoisomerisation of structurally modified furylfulgides. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19556-19563.	2.8	10
16	Ultrafast excitation energy transfer in a benzimidazole-naphthopyran donor-acceptor dyad. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2080-2092.	2.8	10
17	Efficient reversible photoisomerisation with large solvodynamic size-switching of a main chain poly(azobenzene- <i>alt</i> -trisiloxane). <i>Journal of Materials Chemistry C</i> , 2020, 8, 1835-1845.	5.5	9
18	Diffusion of spherical micronetworks in polymer diluent systems and melts studied by dynamic light scattering techniques. <i>Macromolecular Symposia</i> , 1994, 79, 109-116.	0.7	1

#	ARTICLE	IF	CITATIONS
19	Ultrafast Photoswitching Dynamics of Azobenzenes with Intra- and Intermolecular Constraints. , 2017, , 237-259.		1
20	Ultrafast Zâ†'E and Eâ†'Z Photoswitching Dynamics of Oxadiazocine Unveiled by Femtosecond Transient Electronic Absorption Spectroscopy. , 2020, , .		0