

Roger Jan Kutta

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

298
citations

1039406

9
h-index

1125271

13
g-index

15
all docs

15
docs citations

15
times ranked

442
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Vertebrate Cryptochromes are Vestigial Flavoproteins. <i>Scientific Reports</i> , 2017, 7, 44906. | 1.6 | 78 |
| 2 | Photochemically Induced Ring Opening of Spirocyclopropyl Oxindoles: Evidence for a Triplet 1,3-Diradical Intermediate and Deracemization by a Chiral Sensitizer. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21640-21647. | 7.2 | 53 |
| 3 | Stepwise Hydride Transfer in a Biological System: Insights into the Reaction Mechanism of the Light-Dependent Protochlorophyllide Oxidoreductase. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2682-2686. | 7.2 | 37 |
| 4 | Deazaflavin reductive photocatalysis involves excited semiquinone radicals. <i>Nature Communications</i> , 2020, 11, 3174. | 5.8 | 37 |
| 5 | The sacrificial inactivation of the blue-light photosensor cryptochrome from <i>Drosophila melanogaster</i> . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28767-28776. | 1.3 | 19 |
| 6 | The Photoinitiated Reaction Pathway of Full-length Cyanobacteriochrome Tlr0924 Monitored Over 12 Orders of Magnitude. <i>Journal of Biological Chemistry</i> , 2014, 289, 17747-17757. | 1.6 | 18 |
| 7 | Tuning Deazaflavins Towards Highly Potent Reducing Photocatalysts Guided by Mechanistic Understanding – Enhancement of the Key Step by the Internal Heavy Atom Effect. <i>Chemistry - A European Journal</i> , 2022, 28, . | 1.7 | 11 |
| 8 | Photochemically Induced Ring Opening of Spirocyclopropyl Oxindoles: Evidence for a Triplet 1,3-Diradical Intermediate and Deracemization by a Chiral Sensitizer. <i>Angewandte Chemie</i> , 2020, 132, 21824-21831. | 1.6 | 10 |
| 9 | Photocatalytic Oxidative [2+2] Cycloelimination Reactions with Flavinium Salts: Mechanistic Study and Influence of the Catalyst Structure. <i>ChemPlusChem</i> , 2021, 86, 373-386. | 1.3 | 10 |
| 10 | Dual emissive dinuclear Pt(II) complexes and application to singlet oxygen generation. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5808-5818. | 2.7 | 10 |
| 11 | Stepwise Hydride Transfer in a Biological System: Insights into the Reaction Mechanism of the Light-Dependent Protochlorophyllide Oxidoreductase. <i>Angewandte Chemie</i> , 2018, 130, 2712-2716. | 1.6 | 9 |
| 12 | Ligand design and nuclearity variation towards dual emissive Pt(II) complexes for singlet oxygen generation, dual channel bioimaging, and theranostics. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5636-5647. | 2.7 | 4 |
| 13 | Transient absorption with a streak camera. <i>Physical Sciences Reviews</i> , 2019, 4, . | 0.8 | 2 |
| 14 | 17. Transient absorption with a streak camera. , 2020, , 415-442. | | 0 |