

Joshua Kyle Stanfield

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3558069/publications.pdf>

Version: 2024-02-01

25
papers

344
citations

840119

11
h-index

839053

18
g-index

28
all docs

28
docs citations

28
times ranked

215
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Hydroxylation of Benzene to Phenol by Cytochrome P450BM3 Triggered by Amino Acid Derivatives. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10324-10329.	7.2	62
2	Whole-Cell Biotransformation of Benzene to Phenol Catalysed by Intracellular Cytochrome P450BM3 Activated by External Additives. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12264-12269.	7.2	43
3	Control of stereoselectivity of benzylic hydroxylation catalysed by wild-type cytochrome P450BM3 using decoy molecules. <i>Catalysis Science and Technology</i> , 2017, 7, 3332-3338.	2.1	30
4	Expanding the applicability of cytochrome P450s and other haemoproteins. <i>Current Opinion in Chemical Biology</i> , 2020, 59, 155-163.	2.8	30
5	Hijacking the Heme Acquisition System of <i>Pseudomonas aeruginosa</i> for the Delivery of Phthalocyanine as an Antimicrobial. <i>ACS Chemical Biology</i> , 2019, 14, 1637-1642.	1.6	27
6	Direct Hydroxylation of Benzene to Phenol by Cytochrome P450BM3 Triggered by Amino Acid Derivatives. <i>Angewandte Chemie</i> , 2017, 129, 10460-10465.	1.6	23
7	Reconstitution of full-length P450BM3 with an artificial metal complex by utilising the transpeptidase Sortase A. <i>Chemical Communications</i> , 2018, 54, 7892-7895.	2.2	23
8	Systematic Evolution of Decoy Molecules for the Highly Efficient Hydroxylation of Benzene and Small Alkanes Catalyzed by Wild-Type Cytochrome P450BM3. <i>ACS Catalysis</i> , 2020, 10, 9136-9144.	5.5	22
9	Development of a High-Pressure Reactor Based on Liquid-Flow Pressurisation to Facilitate Enzymatic Hydroxylation of Gaseous Alkanes. <i>ChemCatChem</i> , 2019, 11, 4709-4714.	1.8	18
10	Crystals in Minutes: Instant On-Site Microcrystallisation of Various Flavours of the CYP102A1 (P450BM3) Haem Domain. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7611-7618.	7.2	13
11	Ganzzellbiotransformation von Benzol zu Phenol durch intrazelluläres Zytocrom P450BM3 aktiviert mithilfe externer Zusätze. <i>Angewandte Chemie</i> , 2018, 130, 12444-12449.	1.6	12
12	Enhanced <i>cis</i> - and enantioselective cyclopropanation of styrene catalysed by cytochrome P450BM3 using decoy molecules. <i>Chemical Communications</i> , 2020, 56, 11026-11029.	2.2	11
13	Kristalle in Minutenschnelle: Sofortige Mikrokristallisation verschiedenster Varianten der CYP102A1 (P450BM3) Hemdomäne. <i>Angewandte Chemie</i> , 2020, 132, 7681-7689.	1.6	6
14	The Power of Deception: Using Decoy Molecules to Manipulate P450BM3 Biotransformations. <i>Chemistry Letters</i> , 2021, 50, 2025-2031.	0.7	6
15	Ein Designeraußenmembranprotein fördert die Aufnahme von Austauschmolekülen in einen auf Zytocrom P450BM3 beruhenden Ganzzellbiokatalysator. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	5
16	Designer Outer Membrane Protein Facilitates Uptake of Decoy Molecules into a Cytochrome P450BM3-Based Whole-Cell Biocatalyst. <i>Angewandte Chemie - International Edition</i> , 2021, , .	7.2	5
17	Tetraphenylporphyrin Enters the Ring: First Example of a Complex between Highly Bulky Porphyrins and a Protein**. <i>ChemBioChem</i> , 2022, 23, .	1.3	4
18	Frontispiece: Whole-Cell Biotransformation of Benzene to Phenol Catalysed by Intracellular Cytochrome P450BM3 Activated by External Additives. <i>Angewandte Chemie - International Edition</i> , 2018, 57, .	7.2	1

#	ARTICLE	IF	CITATIONS
19	Development of a High-Pressure Reactor Based on Liquid-Flow Pressurisation to Facilitate Enzymatic Hydroxylation of Gaseous Alkanes. <i>ChemCatChem</i> , 2019, 11, 4661-4661.	1.8	1
20	ENGANANDO O CITOCROMO P450BM3: CATÁLISE DE VÁRIAS TRANSFORMAÇÕES DE SUBSTRATOS NATIVOS USANDO MOLÉCULAS-TRAIÇOEIRAS. <i>Quimica Nova</i> , 0, .	0.3	1
21	Gaseous Alkane Hydroxylation by Deceiving Cytochrome P450BM3 Using Decoy Molecules. <i>Journal of the Japan Petroleum Institute</i> , 2022, 65, 79-87.	0.4	1
22	Frontispiece: Direct Hydroxylation of Benzene to Phenol by Cytochrome P450BM3 Triggered by Amino Acid Derivatives. <i>Angewandte Chemie - International Edition</i> , 2017, 56, .	7.2	0
23	Frontispiz: Direct Hydroxylation of Benzene to Phenol by Cytochrome P450BM3 Triggered by Amino Acid Derivatives. <i>Angewandte Chemie</i> , 2017, 129, .	1.6	0
24	Frontispiz: Ganzzellbiotransformation von Benzol zu Phenol durch intrazelluläres Zytochrom P450BM3 aktiviert mithilfe externer Zusätze. <i>Angewandte Chemie</i> , 2018, 130, .	1.6	0
25	Innentitelbild: Ein Designeraußenmembranprotein fördert die Aufnahme von Tauschmolekülen in einen auf Zytochrom P450BM3 beruhenden Ganzzellbiokatalysator (<i>Angew. Chem.</i> 7/2022). <i>Angewandte Chemie</i> , 2022, 134, .	1.6	0