

# RÃ¼diger Faust

## List of Publications by Year in descending order

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52  
papers

1,955  
citations

304743

22  
h-index

243625

44  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1750  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fascinating Natural and Artificial Cyclopropane Architectures. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2251-2253.	13.8	234
2	Fullerene-acetylene hybrids: Towards a novel class of molecular carbon allotropes. <i>Tetrahedron</i> , 1996, 52, 4925-4947.	1.9	160
3	Mapping the Melatonin Receptor. 6. Melatonin Agonists and Antagonists Derived from 6H-Isoindolo[2,1-a]indoles, 5,6-Dihydroindolo[2,1-a]isoquinolines, and 6,7-Dihydro-5H-benzo[c]azepino[2,1-a]indoles. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 1050-1061.	6.4	154
4	Electrochemistry of Mono- through Hexakis-adducts of C60. <i>Helvetica Chimica Acta</i> , 1995, 78, 1334-1344.	1.6	117
5	Fullerene-Acetylene Hybrids: On the Way to Synthetic Molecular Carbon Allotropes. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 1366-1368.	4.4	107
6	The role of delocalization in benzene. <i>Journal of the American Chemical Society</i> , 1993, 115, 10952-10957.	13.7	100
7	Ab initio study of .sigma.- and .pi.-effects in benzenes fused to four-membered rings: rehybridization, delocalization, and antiaromaticity. <i>Journal of the American Chemical Society</i> , 1992, 114, 8263-8268.	13.7	96
8	Linear and Cyclic Platinum Acetylide Complexes of Tetraethynylethene. <i>Chemistry - A European Journal</i> , 1995, 1, 111-117.	3.3	81
9	Fullerene Model Compounds: Bowl-Shaped Aromatic Hydrocarbons and Cyclophane-Based Cage Molecules. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1429-1432.	4.4	72
10	Acetylenic Quinoxalinoporphyrazines as Photosensitisers for Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2003, 9, 1233-1241.	3.3	68
11	One-step synthesis of dialkynyl-1,2-diones and their conversion to fused pyrazines bearing enediyne units. <i>Tetrahedron</i> , 1997, 53, 14655-14670.	1.9	62
12	The Heat of Hydrogenation of (a) Cyclohexatriene. <i>Journal of the American Chemical Society</i> , 2000, 122, 7819-7820.	13.7	54
13	Explosions as a Synthetic Tool? Cycloalkynes as Precursors to Fullerenes, Buckytubes, and Buckyonions. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2825-2828.	13.8	53
14	Light-harvesting with panchromatically absorbing BODIPY-porphyrazine conjugates to power electron transfer in supramolecular donor-acceptor ensembles. <i>Chemical Science</i> , 2013, 4, 3888.	7.4	44
15	Three-Step Synthesis and Absorption and Emission Properties of Peripherally Peralkynylated Tetrapyrazinoporphyrazines. <i>Journal of Organic Chemistry</i> , 1999, 64, 2571-2573.	3.2	41
16	The Synthesis of Arylalkyne-Substituted Tetrapyrazinoporphyrazines and an Evaluation of Their Potential as Photosensitisers for Photodynamic Therapy. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 1136-1142.	2.4	40
17	First 2,3-Dialkynyl-1,4-diazabutadienes by Pd-Catalyzed Cross-Coupling of Bis(imido) chlorides and Alkynylstannanes. <i>Tetrahedron Letters</i> , 1997, 38, 8017-8020.	1.4	38
18	Semibuckminsterfullerene: MNDO study of a hemispherical triindenotriphenylene. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 1471.	2.0	36

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19	Efficient and robust strong-field control of population transfer in sensitizer dyes with designed femtosecond laser pulses. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 8733.	2.8	33
20	FullerenÄAcetylenÄHybride: auf dem Weg zu neuen, synthetischen molekularen Kohlenstoffallotropen. <i>Angewandte Chemie</i> , 1994, 106, 1427-1429.	2.0	32
21	Electrochemical properties of tetraethynylethenes, fully cross-conjugated Åchromophores, and tetraethynylethene-based carbon-rich molecular rods and dehydroannulenes. <i>Journal of Electroanalytical Chemistry</i> , 1995, 394, 187-197.	3.8	29
22	Octaalkynyltetra[6,7]quinoxalinoporphyrazines: a new class of photosensitisers with potential for photodynamic therapy. <i>Chemical Communications</i> , 2001, , 2596-2597.	4.1	25
23	Mono- and di-nuclear platinum Åf-acetylide complexes of tetraethynylethene. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, .	2.0	20
24	Binding affinity and biological activity of oxygen and sulfur isosteres at melatonin receptors as a function of their hydrogen bonding capability. <i>Bioorganic Chemistry</i> , 2004, 32, 1-12.	4.1	19
25	En route towards panchromatic light harvesting: photophysical and electrochemical properties of BodipyÄporphyrazine conjugates. <i>Chemical Science</i> , 2014, 5, 2580.	7.4	19
26	The Modular Approach to Acetylenic Phthalocyanines and Phthalocyanine Analogues. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 2797.	2.4	17
27	NIR chromophores from small acetylenic building blocks: a DielsÄAlder approach to octaalkynylphthalocyanines. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 3746-3751.	1.3	16
28	A (bpy) <sub>2</sub> Ru-coordinated dehydro[12]annulene with exotopically fused diimine binding sitesElectronic supplementary information (ESI) available: Analytical data for the ruthenium complexes. See <a href="http://www.rsc.org/suppdata/cc/b3/b313788k/">http://www.rsc.org/suppdata/cc/b3/b313788k/</a> . <i>Chemical Communications</i> , 2004, , 388.	4.1	16
29	7-Substituted-melatonin and 7-substituted-1-methylmelatonin analogues: Effect of substituents on potency and binding affinity. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 4543-4551.	3.0	16
30	2,3-Dialkynyl-1,4-diazabuta-1,3-dienes as Novel Å-Systems: Synthesis, Structure, and Electronic Properties. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 205-214.	2.4	14
31	Persistent carbenes containing acetylenes: 4,5-dialkynylimidazol-2-ylidene. <i>Chemical Communications</i> , 2000, , 919-920.	4.1	14
32	A perfluorous polyphenyl dendritic shell for the protection of a photosensitizing porphyrazine core. <i>Chemical Communications</i> , 2013, 49, 9413.	4.1	11
33	Two-path spin-spin coupling in tetrastannacyclohexanes. <i>Magnetic Resonance in Chemistry</i> , 1990, 28, 82-84.	1.9	10
34	Acetylene-substituted pyrazino[2,3-f][1,10]phenanthrolines and their Ru(II) complexes: syntheses, electronic properties and an exploration of their suitability as building blocks for metal-coordinated dehydroannulenes. <i>Dalton Transactions RSC</i> , 2002, , 1946-1953.	2.3	10
35	Triisopropylsilyl Protected Hexa-1,5-diyne-3,4-dione: A Convenient Precursor to 2,3-Dialkynyl 1,4-Diazabutadienes. <i>Synlett</i> , 1998, 1998, 64-66.	1.8	9
36	Quinoxalinodehydroannulenes: A Novel Class of Carbon-Rich Materials. <i>Synlett</i> , 2004, 2004, 1509-1512.	1.8	9

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37	Deep-cavity subporphyrazines with extended $\pi$ -perimeters. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 1277-1283.	0.8	9
38	A Reliable Route to 1,2-Diamino-4,5-phthalodinitrile. <i>Synthesis</i> , 2008, 2008, 1179-1181.	2.3	7
39	Microwave-Assisted Dibromoolefination of Aromatic and Heteroaromatic Aldehydes and Ketones. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 615-619.	2.6	5
40	n- versus p-doping of graphite: what drives its wet-chemical exfoliation?. <i>Nanoscale</i> , 2017, 9, 11632-11639.	5.6	5
41	Cross-Conjugated $\pi$ - $\sigma$ -Scaffolding with Pendant $N$ -Heterocyclic Metal-Binding Sites. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3101-3106.	2.4	3
42	Acetylenic NIR-chromophores: 2,3-dialkynyl-1,4-diazabuta-1,3-diene complexes of Ni(0) and Ni(II). <i>Journal of Organometallic Chemistry</i> , 1999, 578, 193-197.	1.8	2
43	Terminally Protected 1-Phenyl-1,5-hexadiyne-3,4-diones as First Members of the Class of Dialkynyl-1,2-diones. <i>Liebigs Annalen</i> , 1996, 1996, 1235-1238.	0.8	2
44	Synthesis, characterization and application of a two-fold $^{13}C$ -labeled calibration standard for the analysis of arsenobetaine using HPLC-ESI-MS/MS without high resolution mass spectrometry. <i>Talanta</i> , 2011, 85, 1996-1999.	5.5	2
45	Diethynyldiazafluoren-9-ylidene as a $\pi$ Cross-Conjugated Platform for Redox Active Transition Metal Fragments. <i>Organometallics</i> , 2019, 38, 2553-2557.	2.3	2
46	(3,5,5,6,8,8-Hexamethyl-5,6,7,8-tetrahydronaphthalen-2-yl)methanol: a possible metabolite of the synthetic musk fragrance AHTN. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o1462-o1463.	0.2	1
47	A Fourfold Benzodehydroannuleno-Fused Porphyrazine. <i>Synlett</i> , 2015, 26, 1620-1624.	1.8	1
48	Kaleidoskop der organischen Synthese. <i>Nachrichten Aus Der Chemie</i> , 1996, 44, 980-982.	0.0	0
49	Time-dependent density functional theory studies of the electronic absorption spectra of $N,N$ - $\epsilon^2$ -disubstituted 2,3-dialkynyl-1,4-diazabuta-1,3-dienes. <i>Perkin Transactions II RSC</i> , 2002, , 494-501.	1.1	0
50	A diaryl-terminated hexa-1,5-diyne-3,4-dione. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, o253-o255.	0.4	0
51	Monitoring and damage detection of adhesive bonds with micro-encapsulated markers. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2014, 58, 253-259.	2.5	0
52	Cross- $\pi$ -conjugated enediyne with multitopic metal binding sites. <i>RSC Advances</i> , 2020, 10, 38612-38616.	3.6	0