

# Rainer E Martin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1387012/publications.pdf>

Version: 2024-02-01

91  
papers

7,355  
citations

94269

37  
h-index

53109

85  
g-index

110  
all docs

110  
docs citations

110  
times ranked

8464  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Light-Emitting Conjugated Polymers for Applications in Electroluminescent Devices. <i>Chemical Reviews</i> , 2009, 109, 897-1091.	23.0	2,463
2	Linear Monodisperse $\pi$ -Conjugated Oligomers: Model Compounds for Polymers and More. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1350-1377.	7.2	886
3	Predicting and Tuning Physicochemical Properties in Lead Optimization: Amine Basicities. <i>ChemMedChem</i> , 2007, 2, 1100-1115.	1.6	423
4	Structure-Property Relationships in Third-Order Nonlinear Optical Chromophores. <i>Journal of Physical Chemistry B</i> , 1998, 102, 4451-4465.	1.2	249
5	A Convenient Photocatalytic Fluorination of Unactivated C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4690-4693.	7.2	244
6	Determination of End-to-End Distances in a Series of TEMPO Diradicals of up to 2.8 nm Length with a New Four-Pulse Double Electron Resonance Experiment. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2833-2837.	7.2	218
7	Photocatalytic Synthesis of Allylic Trifluoromethyl Substituted Styrene Derivatives in Batch and Flow. <i>Organic Letters</i> , 2013, 15, 1634-1637.	2.4	120
8	<sup>18</sup> F-Fluorination of Unactivated C-H Bonds in Branched Aliphatic Amino Acids: Direct Synthesis of Oncological Positron Emission Tomography Imaging Agents. <i>Journal of the American Chemical Society</i> , 2017, 139, 3595-3598.	6.6	119
9	Prospective Evaluation of Free Energy Calculations for the Prioritization of Cathepsin L Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 2485-2497.	2.9	110
10	Direct photocatalytic fluorination of benzylic C-H bonds with N-fluorobenzenesulfonimide. <i>Chemical Communications</i> , 2015, 51, 11783-11786.	2.2	99
11	Electronic Characteristics of Arylated Tetraethynylethenes: A Cooperative Computational and Electrochemical Investigation. <i>Journal of the American Chemical Society</i> , 1997, 119, 2069-2078.	6.6	84
12	Poly(triacetylene) Oligomers: Synthesis, Characterization, and Estimation of the Effective Conjugation Length by Electrochemical, UV/Vis, and Nonlinear Optical Methods. <i>Chemistry - A European Journal</i> , 1997, 3, 1505-1512.	1.7	83
13	Discovery of the First Nonpeptidic, Small-Molecule, Highly Selective Somatostatin Receptor Subtype 5 Antagonists: A Chemogenomics Approach. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 6291-6294.	2.9	81
14	Site-Selective, Late-Stage C-H <sup>18</sup> F-Fluorination on Unprotected Peptides for Positron Emission Tomography Imaging. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12733-12736.	7.2	71
15	Optimization of a novel class of benzimidazole-based farnesoid X receptor (FXR) agonists to improve physicochemical and ADME properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 1134-1140.	1.0	70
16	Synthesis of acyl fluorides <i>via</i> photocatalytic fluorination of aldehydic C-H bonds. <i>Chemical Communications</i> , 2018, 54, 9985-9988.	2.2	68
17	Synthesis of Annulated Pyridines by Intramolecular Inverse-Electron-Demand Hetero-Diels-Alder Reaction under Superheated Continuous Flow Conditions. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 47-52.	1.2	62
18	Dendritic rods with a poly(triacetylene) backbone: insulated molecular wires. <i>Chemical Communications</i> , 1998, , 1013-1014.	2.2	60

#	ARTICLE	IF	CITATIONS
19	Insulated Molecular Wires: Dendritic Encapsulation of Poly(triacetylene) Oligomers, Attempted Dendritic Stabilization of Novel Poly(pentaacetylene) Oligomers, and an Organometallic Approach to Dendritic Rods. <i>Helvetica Chimica Acta</i> , 2001, 84, 296-334.	1.0	59
20	Monodisperse Poly(triacetylene) Oligomers Extending from Monomer to Hexadecamer: Joint Experimental and Theoretical Investigation of Physical Properties. <i>Chemistry - A European Journal</i> , 2000, 6, 3622-3635.	1.7	56
21	A Convenient Late-Stage Fluorination of Pyridylic C-H Bonds with <i>N</i> -Fluorobenzenesulfonimide. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13244-13248.	7.2	56
22	Discovery of novel and orally active FXR agonists for the potential treatment of dyslipidemia & diabetes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 191-194.	1.0	55
23	Monodisperse Poly(triacetylene) Rods: Synthesis of a 11.9 nm Long Molecular Wire and Direct Determination of the Effective Conjugation Length by UV/Vis and Raman Spectroscopies. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 817-821.	7.2	49
24	Scaling law for second-order hyperpolarizability in poly(triacetylene) molecular wires. <i>Optics Letters</i> , 1999, 24, 1599.	1.7	49
25	Identification of an <i>N</i> -oxide pyridine GW4064 analog as a potent FXR agonist. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 2595-2598.	1.0	48
26	Seamless Integration of Dose-Response Screening and Flow Chemistry: Efficient Generation of Structure-Activity Relationship Data of $\beta$ -Secretase (BACE1) Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1704-1708.	7.2	45
27	Ligand identification for G-protein-coupled receptors: a lead generation perspective. <i>Current Opinion in Chemical Biology</i> , 2004, 8, 287-296.	2.8	44
28	Synthesis of a Drug-Like Focused Library of Trisubstituted Pyrrolidines Using Integrated Flow Chemistry and Batch Methods. <i>ACS Combinatorial Science</i> , 2011, 13, 405-413.	3.8	42
29	Direct heterobenzylic fluorination, difluorination and trifluoromethylthiolation with dibenzenesulfonamide derivatives. <i>Chemical Science</i> , 2018, 9, 5608-5613.	3.7	42
30	Third-order nonlinear optical properties of in-backbone substituted conjugated polymers. <i>Applied Physics Letters</i> , 2002, 81, 2322-2324.	1.5	40
31	From Astemizole to a Novel Hit Series of Small-Molecule Somatostatin 5 Receptor Antagonists via GPCR Affinity Profiling. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 6295-6298.	2.9	40
32	2-H-1,2,3-Triazole-Based Dipeptidyl Nitriles: Potent, Selective, and Trypanocidal Rhodesain Inhibitors by Structure-Based Design. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 3370-3388.	2.9	40
33	Evaluation of a flow-photochemistry platform for the synthesis of compact modules. <i>Tetrahedron Letters</i> , 2012, 53, 1363-1366.	0.7	39
34	The Kondrat <sup>TM</sup> eva Reaction in Flow: Direct Access to Annulated Pyridines. <i>Organic Letters</i> , 2013, 15, 3550-3553.	2.4	39
35	Neighborhood-Preserving Visualization of Adaptive Structure-Activity Landscapes: Application to Drug Discovery. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11633-11636.	7.2	38
36	Inverse Electron-Demand [4 + 2]-Cycloadditions of Ynamides: Access to Novel Pyridine Scaffolds. <i>Organic Letters</i> , 2016, 18, 1610-1613.	2.4	37

#	ARTICLE	IF	CITATIONS
37	2-Phenoxy-6-nicotinamides are Potent Agonists at the Bile Acid Receptor GPBAR1 (TGR5). <i>ChemMedChem</i> , 2013, 8, 569-576.	1.6	36
38	Discovery of 4-Aryl-5,6,7,8-tetrahydroisoquinolines as Potent, Selective, and Orally Active Aldosterone Synthase (CYP11B2) Inhibitors: In Vivo Evaluation in Rodents and Cynomolgus Monkeys. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8054-8065.	2.9	34
39	Synthesis and Physical Investigation of Donor-Donor and Acceptor-Acceptor End-Functionalized Monodisperse Poly(triacetylene) Oligomers. <i>Chemistry - A European Journal</i> , 2000, 6, 4400-4412.	1.7	33
40	Paracrine crosstalk between intestinal L- and D-cells controls secretion of glucagon-like peptide-1 in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E1081-E1093.	1.8	32
41	Modulation of $\pi$ -Electron Conjugation in Oligo(triacetylene) Chromophores by Incorporation of a Central Spacer. <i>Helvetica Chimica Acta</i> , 1999, 82, 1470-1485.	1.0	30
42	Electrostatic Effects Accelerate Decarboxylase-Catalyzed $C^{18}$ Fluorination Using [ $^{18}F$ ]- and [ $^{19}F$ ]NFSI in Small Molecules and Peptide Mimics. <i>ACS Catalysis</i> , 2019, 9, 8276-8284.	5.5	29
43	Synthesis of annulated pyridines as inhibitors of aldosterone synthase (CYP11B2). <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 5922-5927.	1.5	28
44	$\pi$ SR in polymers. <i>Physica B: Condensed Matter</i> , 2003, 326, 34-40.	1.3	27
45	Photochemical trans-cis isomerisation of donor/acceptor-substituted (E)-hex-3-ene-1,5-diyne (1,2-diethynylethenes, DEEs) and 3,4-diethynylhex-3-ene-1,5-diyne (tetraethynylethenes, TEEs). <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998, , 233-242.	0.9	25
46	Remote Modulation of Amine Basicity by a Phenylsulfone and a Phenylthio Group. <i>ChemMedChem</i> , 2007, 2, 285-287.	1.6	25
47	Efficient blue-green light emitting poly(1,4-phenylene vinylene) copolymers. <i>Chemical Communications</i> , 2000, , 291-292.	2.2	23
48	$\pi$ SR of conducting and non-conducting polymers. <i>Physica B: Condensed Matter</i> , 2000, 289-290, 625-630.	1.3	22
49	Quaternary Ammonium Trifluoromethoxide Salts as Stable Sources of Nucleophilic OCF <sub>3</sub> . <i>Organic Letters</i> , 2020, 22, 1785-1790.	2.4	22
50	Site-Selective, Late-Stage $C^{18}$ Fluorination on Unprotected Peptides for Positron Emission Tomography Imaging. <i>Angewandte Chemie</i> , 2018, 130, 12915-12918.	1.6	21
51	Versatile synthesis of various conjugated aromatic homo- and copolymers. <i>Synthetic Metals</i> , 2001, 122, 1-5.	2.1	20
52	Intramolecular Inverse Electron-Demand [4 + 2] Cycloadditions of Ynamides with Pyrimidines: Scope and Density Functional Theory Insights. <i>Journal of Organic Chemistry</i> , 2017, 82, 1726-1742.	1.7	20
53	Novel, non-peptidic somatostatin receptor subtype 5 antagonists improve glucose tolerance in rodents. <i>Regulatory Peptides</i> , 2010, 159, 19-27.	1.9	19
54	G Protein-Coupled Receptor Transmembrane Binding Pockets and their Applications in GPCR Research and Drug Discovery: A Survey. <i>Current Topics in Medicinal Chemistry</i> , 2011, 11, 1902-1924.	1.0	19

#	ARTICLE	IF	CITATIONS
55	A Convenient Late-Stage Fluorination of Pyridylic C-H Bonds with <i>N</i> -Fluorobenzenesulfonimide. <i>Angewandte Chemie</i> , 2016, 128, 13438-13442.	1.6	18
56	Anodic and Cathodic Electrochemically Generated Chemiluminescence in Conjugated Polymers. <i>Advanced Functional Materials</i> , 2002, 12, 299.	7.8	17
57	Cyclopropanation of 3,4-dihydro-1 H-benzo[e][1,4]diazepine-2,5-diones. <i>Tetrahedron Letters</i> , 2005, 46, 8207-8211.	0.7	17
58	Benzoxazole piperidines as selective and potent somatostatin receptor subtype 5 antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 6106-6113.	1.0	16
59	PM3 geometry optimization and CNDO/S-CI computation of UV/Vis spectra of large organic structures: Program description and application to poly(triacetylene) hexamer and taxotere. <i>Journal of Computational Chemistry</i> , 1999, 20, 396-411.	1.5	15
60	A Convenient Synthesis of Difluoroalkyl Ethers from Thionoesters Using Silver(I) Fluoride. <i>Chemistry - A European Journal</i> , 2019, 25, 15993-15997.	1.7	15
61	Antagonizing somatostatin receptor subtype 2 and 5 reduces blood glucose in a gut- and GLP-1R-dependent manner. <i>JCI Insight</i> , 2021, 6, .	2.3	14
62	Muon-spin relaxation study of anisotropic charge carrier motion in polyphenylene vinylene-based polymers. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 9987-9995.	0.7	13
63	Flow synthesis of annulated 5-aryl-substituted pyridines by tandem intramolecular inverse-electron-demand hetero-retro-Diels-Alder reaction. <i>Tetrahedron Letters</i> , 2013, 54, 6703-6707.	0.7	13
64	Piperidinyl-nicotinamides as potent and selective somatostatin receptor subtype 5 antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 4521-4525.	1.0	12
65	<sup>18</sup> F-Branched-Chain Amino Acids: Structure-Activity Relationships and PET Imaging Potential. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1003-1009.	2.8	12
66	Electrochemiluminescence of conjugated polymer. <i>Synthetic Metals</i> , 2001, 121, 1685-1686.	2.1	11
67	Discovery and optimisation of 1-hydroxyimino-3,3-diphenylpropanes, a new class of orally active GPBAR1 (TGR5) agonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4627-4632.	1.0	10
68	Converting oxazoles into imidazoles: new opportunities for diversity-oriented synthesis. <i>Chemical Communications</i> , 2014, 50, 1867-1870.	2.2	9
69	Preparation of 5-amino-6-oxo-1,6-dihydro[1,2,4]triazine-3-carboxylic acid derivatives and synthesis of compound libraries thereof. <i>Tetrahedron Letters</i> , 2004, 45, 2791-2795.	0.7	8
70	Efficient electroluminescent poly(p-phenylene vinylene) copolymers for application in LEDs. <i>Synthetic Metals</i> , 2001, 119, 43-44.	2.1	7
71	Modulation of Pharmacologically Relevant Properties of Piperidine Derivatives by Functional Groups in an Equatorial or Axial Position to the Amino Group. <i>ChemBioChem</i> , 2020, 21, 212-234.	1.3	7
72	Late-stage Functionalization and its Impact on Modern Drug Discovery. <i>Chimia</i> , 2022, 76, 258.	0.3	7

#	ARTICLE	IF	CITATIONS
73	The copolymer route to new luminescent materials for LEDs. <i>Macromolecular Symposia</i> , 2000, 154, 177-186.	0.4	6
74	Polymer and small molecule multi-layer light-emitting diodes. <i>Synthetic Metals</i> , 2001, 121, 1701-1702.	2.1	6
75	Scale-Up of Flow-Assisted Synthesis of C2-Symmetric Chiral PyBox Ligands. <i>Synthesis</i> , 2012, 2012, 635-647.	1.2	6
76	A carbohydrate-derived trifunctional scaffold for DNA-encoded libraries. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 837-842.	1.8	6
77	Going with the flow. <i>Science</i> , 2016, 352, 44-45.	6.0	5
78	Synthesis of conjugated polymers for application in light-emitting diodes (PLEDs). <i>Comptes Rendus Physique</i> , 2000, 1, 447-470.	0.1	4
79	Muon-spin relaxation study of charge carrier dynamics in the conducting polymer PPV. <i>Synthetic Metals</i> , 2001, 119, 205-206.	2.1	4
80	Ortho-Metallation as a key step for the synthesis of silyl substituted Poly(p-phenylenevinylene)s. <i>Synthetic Metals</i> , 2001, 121, 1709-1710.	2.1	4
81	Multi-layer Polymer Light-emitting Diodes with 2,3-Dialkoxy-p-phenylene Vinylene and its Blends.. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2002, 15, 253-258.	0.1	2
82	New family of polyfluorene copolymers for light-emitting devices. , 2002, , .		1
83	Versatile Syntheses of Various Homo- and Copolymers of Poly(1,4-Arylene Vinylene)S. <i>Materials Research Society Symposia Proceedings</i> , 1999, 598, 118.	0.1	0
84	Design and synthesis of conjugated materials for efficient optoelectronic devices. , 1999, 3797, 48.		0
85	White-light-continuum spectroscopy to determine third-order nonlinear optical properties. , 2001, , .		0
86	New routes to monomers and polymers for LEDs. , 2001, , .		0
87	Preparation of 5-Amino-6-oxo-1,6-dihydro[1,2,4]triazine-3-carboxylic Acid Derivatives and Synthesis of Compound Libraries Thereof.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
88	Joint Meeting on Medicinal Chemistry in Vienna. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5364-5366.	7.2	0
89	Innentitelbild: Nahtlose Integration von Dosis-Wirkungs-basiertem Screening und Flusschemie: effiziente Erzeugung von Struktur-Aktivitäts-Beziehungen von $\beta^2$ -Sekretase(BACE1)-Hemmern (Angew.) Tj ETQq1 1106784314brgBT /Ome		
90	Synthesis of New Building Blocks for Light Emitting Polymers. <i>Materials Research Society Symposia Proceedings</i> , 2000, 660, 1.	0.1	0

#	ARTICLE	IF	CITATIONS
91	A carbohydrate-derived trifunctional scaffold for medicinal chemistry library synthesis. Mediterranean Journal of Chemistry, 2018, 7, 135-144.	0.3	0