Marc Vendrell

List of Publications by Year
in descending order

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93 papers	5,952 citations	100601 38 h-index	84171 75 g-index
98 all docs	98 docs citations	98 times ranked	8971 citing authors

#	Article	IF	Citations
1	Near-infrared benzodiazoles as small molecule environmentally-sensitive fluorophores. Frontiers of Chemical Science and Engineering, 2022, 16, 128-135.	2.3	12
2	A Bivalent Activatable Fluorescent Probe for Screening and Intravital Imaging of Chemotherapyâ€Induced Cancer Cell Death. Angewandte Chemie - International Edition, 2022, 61, e202113020.	7.2	17
3	A Bivalent Activatable Fluorescent Probe for Screening and Intravital Imaging of Chemotherapyâ€Induced Cancer Cell Death. Angewandte Chemie, 2022, 134, .	1.6	4
4	Rational Design and Synthesis of Large Stokes Shift 2,6-Sulphur-Disubstituted BODIPYs for Cell Imaging. Chemosensors, 2022, 10, 19.	1.8	1
5	Rationales Design von Pheâ€BODIPYâ€AminosÃuren als fluorogene Bausteine fÃ¼r den peptidbasierten Nachweis von Candidaâ€Infektionen im Harntrakt. Angewandte Chemie, 2022, 134, .	1.6	4
6	Rational Design of Pheâ€BODIPY Amino Acids as Fluorogenic Building Blocks for Peptideâ€Based Detection of Urinary Tract Candida Infections. Angewandte Chemie - International Edition, 2022, 61, .	7.2	20
7	Effective Penetration of a Liposomal Formulation of Bleomycin through Ex-Vivo Skin Explants from Two Different Species. Cancers, 2022, 14, 1083.	1.7	3
8	Activatable Fluorophores for Imaging Immune Cell Function. Accounts of Chemical Research, 2022, 55, 1183-1193.	7.6	23
9	A fluorogenic probe for granzyme B enables in-biopsy evaluation and screening of response to anticancer immunotherapies. Nature Communications, 2022, 13, 2366.	5.8	26
10	Miniaturized Chemical Tags for Optical Imaging. Angewandte Chemie, 2022, 134, .	1.6	1
11	Fluorescent cyclic peptides for cell imaging. Peptide Science, 2021, 113, e24181.	1.0	21
12	A Functional Chemiluminescent Probe for in Vivo Imaging of Natural Killer Cell Activity Against Tumours. Angewandte Chemie - International Edition, 2021, 60, 5699-5703.	7.2	81
13	A Functional Chemiluminescent Probe for in Vivo Imaging of Natural Killer Cell Activity Against Tumours. Angewandte Chemie, 2021, 133, 5763-5767.	1.6	8
14	A Palette of Minimally Tagged Sucrose Analogues for Realâ€Time Raman Imaging of Intracellular Plant Metabolism. Angewandte Chemie - International Edition, 2021, 60, 7637-7642.	7.2	24
15	A Palette of Minimally Tagged Sucrose Analogues for Realâ€Time Raman Imaging of Intracellular Plant Metabolism. Angewandte Chemie, 2021, 133, 7715-7720.	1.6	8
16	Photoactivatable metabolic warheads enable precise and safe ablation of target cells in vivo. Nature Communications, 2021, 12, 2369.	5.8	20
17	Chemodivergent manganese-catalyzed Câ€“H activation: modular synthesis of fluorogenic probes. Nature Communications, 2021, 12, 3389.	5.8	50
18	Near-Infrared Fluorescent Probes for the Detection of Cancer-Associated Proteases. ACS Chemical Biology, 2021, 16, 1304-1317.	1.6	42

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19	Fluorogenic Trp(redBODIPY) cyclopeptide targeting keratin 1 for imaging of aggressive carcinomas. Chemical Science, 2020, 11, 1368-1374.	3.7	42
20	A fluorogenic cyclic peptide for imaging and quantification of drug-induced apoptosis. Nature Communications, 2020, 11, 4027.	5.8	45
21	Fluorescent amino acids as versatile building blocks for chemical biology. Nature Reviews Chemistry, 2020, 4, 275-290.	13.8	97
22	Assessment of Neutrophil Apoptosis. Methods in Molecular Biology, 2020, 2087, 167-190.	0.4	5
23	3D bioprinting of mature bacterial biofilms for antimicrobial resistance drug testing. Biofabrication, 2019, 11, 045018.	3.7	56
24	BODIPYâ€Łabeled Cyclobutanes by Secondary C(sp 3)â^'H Arylations for Liveâ€€ell Imaging. Chemistry - A European Journal, 2019, 25, 12712-12718.	1.7	11
25	Natural product-inspired profluorophores for imaging NQO1 activity in tumour tissues. Bioorganic and Medicinal Chemistry, 2019, 27, 3938-3946.	1.4	15
26	In Vivo Tumor Visualization through MRI Offâ€€On Switching of NaGdF₄â€“CaCO₃ Nanoconjugates. Advanced Materials, 2019, 31, e1901851.	11.1	79
27	A Fluorescent Activatable ANDâ€€Gate Chemokine CCL2 Enables In Vivo Detection of Metastasisâ€€Associated Macrophages. Angewandte Chemie, 2019, 131, 17050-17054.	1.6	13
28	A Fluorescent Activatable ANDâ€€Gate Chemokine CCL2 Enables In Vivo Detection of Metastasisâ€€Associated Macrophages. Angewandte Chemie - International Edition, 2019, 58, 16894-16898.	7.2	41
29	Sa1718 â€“ A Near-Infrared Probe for in Vivo Imaging of Colorectal Lesions in High-Risk Patients. Gastroenterology, 2019, 156, S-376-S-377.	0.6	1
30	Enhanced avidity from a multivalent fluorescent antimicrobial peptide enables pathogen detection in a human lung model. Scientific Reports, 2019, 9, 8422.	1.6	22
31	SCOTfluors: Small, Conjugatable, Orthogonal, and Tunable Fluorophores for Inâ€…Vivo Imaging of Cell Metabolism. Angewandte Chemie - International Edition, 2019, 58, 6911-6915.	7.2	100
32	SCOTfluors: Small, Conjugatable, Orthogonal, and Tunable Fluorophores for Inâ€…Vivo Imaging of Cell Metabolism. Angewandte Chemie, 2019, 131, 6985-6989.	1.6	28
33	Fluorescent peptides for imaging of fungal cells. Archives of Biochemistry and Biophysics, 2019, 661, 187-195.	1.4	14
34	A fluorescent activatable probe for imaging intracellular Mg²⁺. Organic and Biomolecular Chemistry, 2018, 16, 239-244.	1.5	19
35	Probing binding specificity of the sucrose transporter AtSUC2 with fluorescent coumarin glucosides. Journal of Experimental Botany, 2018, 69, 2473-2482.	2.4	15
36	Fluorophoreâ€“Drug Conjugates To Unravel the Mechanisms of Action of Therapeutic Assets. Biochemistry, 2018, 57, 175-176.	1.2	7

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37	Quinone-based fluorophores for imaging biological processes. Chemical Society Reviews, 2018, 47, 12-27.	18.7	88
38	Quinone-Derived Ï€-Extended Phenazines as New Fluorogenic Probes for Live-Cell Imaging of Lipid Droplets. Frontiers in Chemistry, 2018, 6, 339.	1.8	18
39	Multiple Multicomponent Reactions: Unexplored Substrates, Selective Processes, and Versatile Chemotypes in Biomedicine. Chemistry - A European Journal, 2018, 24, 14513-14521.	1.7	31
40	A remote control for switching. Nature Chemical Biology, 2018, 14, 749-750.	3.9	0
41	TricarbocyanineN-triazoles: the scaffold-of-choice for long-term near-infrared imaging of immune cellsin vivo. Chemical Science, 2018, 9, 7261-7270.	3.7	48
42	Optical Windows for Imaging the Metastatic Tumour Microenvironment in vivo. Trends in Biotechnology, 2017, 35, 5-8.	4.9	26
43	Modern Synthetic Avenues for the Preparation of Functional Fluorophores. Angewandte Chemie - International Edition, 2017, 56, 3758-3769.	7.2	108
44	Moderne Strategien zur Synthese funktioneller Fluorophore. Angewandte Chemie, 2017, 129, 3812-3823.	1.6	27
45	A Trp-BODIPY cyclic peptide for fluorescence labelling of apoptotic bodies. Chemical Communications, 2017, 53, 945-948.	2.2	67
46	Chemical Modulation of in Vivo Macrophage Function with Subpopulation-Specific Fluorescent Prodrug Conjugates. ACS Central Science, 2017, 3, 995-1005.	5.3	68
47	On the synthesis of quinone-based BODIPY hybrids: New insights on antitumor activity and mechanism of action in cancer cells. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 4446-4456.	1.0	22
48	Preparation of a Trp-BODIPY fluorogenic amino acid to label peptides for enhanced live-cell fluorescence imaging. Nature Protocols, 2017, 12, 1588-1619.	5.5	58
49	The â€œPhagocytic Synapseâ€•and Clearance of Apoptotic Cells. Frontiers in Immunology, 2017, 8, 1708.	2.2	57
50	Editorial (Thematic Issue: Combinatorial Fluorophores for Live Cell Imaging). Combinatorial Chemistry and High Throughput Screening, 2016, 19, 346-346.	0.6	0
51	Searching for the Optimal Fluorophore to Label Antimicrobial Peptides. ACS Combinatorial Science, 2016, 18, 689-696.	3.8	43
52	Spacer-free BODIPY fluorogens in antimicrobial peptides for direct imaging of fungal infection in human tissue. Nature Communications, 2016, 7, 10940.	5.8	112
53	Electrophilic, Activation-Free Fluorogenic Reagent for Labeling Bioactive Amines. Bioconjugate Chemistry, 2016, 27, 1430-1434.	1.8	22
54	A highly selective fluorogenic probe for the detection and in vivo imaging of Cu/Zn superoxide dismutase. Chemical Communications, 2016, 52, 9093-9096.	2.2	19

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55	Structural modifications of the antimicrobial peptide ubiquicidin for pulmonary imaging of bacteria in the alveolar space. Lancet, The, 2016, 387, S17.	6.3	6
56	Smart fluorescent probes for imaging macrophage activity. Chemical Society Reviews, 2016, 45, 1182-1196.	18.7	159
57	Multispectral Phloem-Mobile Probes: Properties and Applications. Plant Physiology, 2015, 167, 1211-1220.	2.3	66
58	A solid-phase combinatorial approach for indoloquinolizidine-peptides with high affinity at D1 and D2 dopamine receptors. European Journal of Medicinal Chemistry, 2015, 97, 173-180.	2.6	11
59	A highly selective fluorescent probe for direct detection and isolation of mouse embryonic stem cells. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4862-4865.	1.0	8
60	Mechanistic elements and critical factors of cellular reprogramming revealed by stepwise global gene expression analyses. Stem Cell Research, 2014, 12, 730-741.	0.3	50
61	MegaStokes BODIPY-triazoles as environmentally sensitive turn-on fluorescent dyes. Chemical Science, 2013, 4, 2168.	3.7	107
62	Surface-enhanced Raman scattering in cancer detection and imaging. Trends in Biotechnology, 2013, 31, 249-257.	4.9	410
63	Multicomponent Reactions for de Novo Synthesis of BODIPY Probes: In Vivo Imaging of Phagocytic Macrophages. Journal of the American Chemical Society, 2013, 135, 16018-16021.	6.6	127
64	Fluorescent Dye Cocktail for Multiplex Drug-Site Mapping on Human Serum Albumin. ACS Combinatorial Science, 2013, 15, 452-457.	3.8	69
65	Imaging histamine in live basophils and macrophages with a fluorescent mesoionic acid fluoride. Chemical Communications, 2012, 48, 7401.	2.2	45
66	A fluorescent screening platform for the rapid evaluation of chemicals in cellular reprogramming. Stem Cell Research, 2012, 9, 185-191.	0.3	18
67	Synthesis of a Novel BODIPY Library and Its Application in the Discovery of a Fructose Sensor. ACS Combinatorial Science, 2012, 14, 81-84.	3.8	37
68	Combinatorial Strategies in Fluorescent Probe Development. Chemical Reviews, 2012, 112, 4391-4420.	23.0	591
69	Combinatorial Solid-Phase Synthesis of 4,6-Diaryl and 4-Aryl, 6-Alkyl-1,3,5-triazines and Their Application to Efficient Biofuel Production. ACS Combinatorial Science, 2012, 14, 395-398.	3.8	15
70	Multiplex targeted in vivo cancer detection using sensitive near-infrared SERS nanotags. Nano Today, 2012, 7, 85-93.	6.2	227
71	Synthesis and characterization of a cell-permeable near-infrared fluorescent deoxyglucose analogue for cancer cell imaging. Organic and Biomolecular Chemistry, 2011, 9, 4760.	1.5	42
72	Multiplex cancer cell detection by SERS nanotags with cyanine and triphenylmethine Raman reporters. Chemical Communications, 2011, 47, 3514.	2.2	112

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73	Biotin Ergopeptide Probes for Dopamine Receptors. Journal of Medicinal Chemistry, 2011, 54, 1080-1090.	2.9	13
74	Intracellular Glutathione Detection Using MnO₂-Nanosheet-Modified Upconversion Nanoparticles. Journal of the American Chemical Society, 2011, 133, 20168-20171.	6.6	845
75	Accelerating fluorescent sensor discovery: unbiased screening of a diversity-oriented BODIPY library. Chemical Communications, 2011, 47, 2339-2341.	2.2	55
76	Solid-phase synthesis of BODIPY dyes and development of an immunoglobulin fluorescent sensor. Chemical Communications, 2011, 47, 8424.	2.2	56
77	Combinatorial Solid-Phase Synthesis of 6-Aryl-1,3,5-triazines via Suzuki Coupling. Australian Journal of Chemistry, 2011, 64, 540.	0.5	6
78	Diversity-oriented optical imaging probe development. Current Opinion in Chemical Biology, 2011, 15, 760-767.	2.8	37
79	A Photostable Nearâ€Infrared Protein Labeling Dye for In Vivo Imaging. Chemistry - an Asian Journal, 2011, 6, 1353-1357.	1.7	23
80	Ultrasensitive Nearâ€Infrared Raman Reporters for SERSâ€Based Inâ€...Vivo Cancer Detection. Angewandte Chemie - International Edition, 2011, 50, 6089-6092.	7.2	250
81	A Fluorescent Rosamine Compound Selectively Stains Pluripotent Stem Cells. Angewandte Chemie, 2010, 122, 7659-7662.	1.6	13
82	A Fluorescent Rosamine Compound Selectively Stains Pluripotent Stem Cells. Angewandte Chemie - International Edition, 2010, 49, 7497-7500.	7.2	72
83	Diversity-oriented fluorescence library approaches for probe discovery and development. Current Opinion in Chemical Biology, 2010, 14, 383-389.	2.8	50
84	A Hybrid Indoloquinolizidine Peptide as Allosteric Modulator of Dopamine D1 Receptors. Journal of Pharmacology and Experimental Therapeutics, 2010, 332, 876-885.	1.3	13
85	Development of photostable near-infrared cyanine dyes. Chemical Communications, 2010, 46, 7406.	2.2	169
86	Indoloquinolizidineâ€“Peptide Hybrids as Multiple Agonists for D₁ and D₂ Dopamine Receptors. ChemMedChem, 2009, 4, 1514-1522.	1.6	16
87	Synthesis of a BODIPY Library and Its Application to the Development of Live Cell Glucagon Imaging Probe. Journal of the American Chemical Society, 2009, 131, 10077-10082.	6.6	206
88	Diversity-oriented fluorescence library approach for the discovery of sensors and probes. Molecular BioSystems, 2009, 5, 411.	2.9	77
89	Novel Ergopeptides as Dual Ligands for Adenosine and Dopamine Receptors. Journal of Medicinal Chemistry, 2007, 50, 3062-3069.	2.9	39
90	N-[Chloro(dimethylamino)methylene]-N-methylmethanaminium chloride (TMUCl Cl), the reagent of choice for the solid-phase synthesis of anilides. Tetrahedron Letters, 2005, 46, 5383-5386.	0.7	12

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91	Multicomponent Reactions with Dihydroazines:Â Efficient Synthesis of a Diverse Set of Pyrido-Fused Tetrahydroquinolines. ACS Combinatorial Science, 2005, 7, 33-41.	3.3	47
92	Multicomponent Reactions with Dihydroazines: Efficient Synthesis of a Diverse Set of Pyrido-Fused Tetrahydroquinolines.. ChemInform, 2005, 36, no.	0.1	0
93	A Re-evaluation of the Use of Rink, BAL, and PAL Resins and Linkers. QSAR and Combinatorial Science, 2004, 23, 145-152.	1.5	49