Leonard G Luyt

List of Publications by Year
in descending order

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89 papers	1,771 citations	304368 22 h-index	329751 37 g-index
102 all docs	102 docs citations	102 times ranked	2699 citing authors

#	Article	IF	Citations
1	Regional Differences in the Ghrelin-Growth Hormone Secretagogue Receptor Signalling System in Human Heart Disease. CJC Open, 2021, 3, 182-194.	0.7	6
2	Targeting Glioblastoma Using a Novel Peptide Specific to a Deglycosylated Isoform of Brevican. Advanced Therapeutics, 2021, 4, 2000244.	1.6	11
3	Radiofluorination of non-activated aromatic prosthetic groups for synthesis and evaluation of fluorine-18 labelled ghrelin(1â€“8) analogues. Organic and Biomolecular Chemistry, 2021, 19, 8812-8820.	1.5	1
4	In vivo multimodal imaging of hyaluronan-mediated inflammatory response in articular cartilage. Osteoarthritis and Cartilage, 2021, , .	0.6	0
5	Molecular basis for activation and biased signaling at the thrombin-activated GPCR proteinase activated receptor-4 (PAR4). Journal of Biological Chemistry, 2020, 295, 2520-2540.	1.6	24
6	A Decadeâ€™s Progress in the Development of Molecular Imaging Agents Targeting the Growth Hormone Secretagogue Receptor. Molecular Imaging, 2020, 19, 153601212095262.	0.7	5
7	A Hyaluronan-binding Peptide (P15-1) Reduces Inflammatory and Catabolic Events in IL-1Î²-treated Human Articular Chondrocytes. Scientific Reports, 2020, 10, 1441.	1.6	11
8	Incorporation of Fluorine into an OBOC Peptide Library by Copper-Free Click Chemistry toward the Discovery of PET Imaging Agents. ACS Combinatorial Science, 2020, 22, 109-113.	3.8	5
9	The development of peptideâ€“boron difluoride formazanate conjugates as fluorescence imaging agents. RSC Advances, 2020, 10, 18970-18977.	1.7	8
10	Nitrone-Modified Gold Nanoparticles: Synthesis, Characterization, and Their Potential as ¹⁸F-Labeled Positron Emission Tomography Probes via I-SPANC. ACS Omega, 2019, 4, 19106-19115.	1.6	9
11	Single Amino Acid Replacement in Gâ€7039 Leads to a 70â€fold Increase in Binding toward GHSâ€R1a. ChemMedChem, 2019, 14, 1762-1766.	1.6	2
12	A study of 99mTc/Re-tricarbonyl complexes of 4-amino-1,8-naphthalimides. Dalton Transactions, 2019, 48, 14077-14084.	1.6	5
13	A dual modality^{99m}Tc/Re(<scp>i</scp>)-labelled T140 analogue for imaging of CXCR4 expression. Organic and Biomolecular Chemistry, 2019, 17, 598-608.	1.5	10
14	High Affinity Fluorescent Probe for Proteinase-Activated Receptor 2 (PAR2). ACS Medicinal Chemistry Letters, 2019, 10, 1045-1050.	1.3	5
15	Dynamics of the Ghrelin/Growth Hormone Secretagogue Receptor System in the Human Heart Before and After Cardiac Transplantation. Journal of the Endocrine Society, 2019, 3, 748-762.	0.1	10
16	18F-Labeled PET Probe Targeting Enhancer of Zeste Homologue 2 (EZH2) for Cancer Imaging. ACS Medicinal Chemistry Letters, 2019, 10, 334-340.	1.3	4
17	The development of a near infrared inulin optical probe for measuring glomerular filtration rate. International Journal of Biological Macromolecules, 2019, 123, 255-260.	3.6	7
18	Evidence Supporting a Role for the Blood-Cerebrospinal Fluid Barrier Transporting Circulating Ghrelin into the Brain. Molecular Neurobiology, 2019, 56, 4120-4134.	1.9	42

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19	Design of peptide mimetics to block pro-inflammatory functions of HA fragments. Matrix Biology, 2019, 78-79, 346-356.	1.5	27
20	Stapled ghrelin peptides as fluorescent imaging probes. Peptide Science, 2019, 111, e24055.	1.0	4
21	Development of Candidates for Positron Emission Tomography (PET) Imaging of Ghrelin Receptor in Disease: Design, Synthesis, and Evaluation of Fluorine-Bearing Quinazolinone Derivatives. Journal of Medicinal Chemistry, 2018, 61, 1261-1275.	2.9	15
22	Changes in the Cardiac GHSR1a-Ghrelin System Correlate With Myocardial Dysfunction in Diabetic Cardiomyopathy in Mice. Journal of the Endocrine Society, 2018, 2, 178-189.	0.1	13
23	Development and Characterization of an ¹⁸F-labeled Ghrelin Peptidomimetic for Imaging the Cardiac Growth Hormone Secretagogue Receptor. Molecular Imaging, 2018, 17, 153601211880958.	0.7	4
24	The Chimera That Curbs Appetite. Journal of Medicinal Chemistry, 2018, 61, 11037-11038.	2.9	4
25	A truncated RHAMM protein for discovering novel therapeutic peptides. Bioorganic and Medicinal Chemistry, 2018, 26, 5194-5203.	1.4	6
26	Development of a [⁶⁸Ga]-ghrelin analogue for PET imaging of the ghrelin receptor (GHS-R1a). MedChemComm, 2018, 9, 1761-1767.	3.5	7
27	Boosting the turn-on fluorescent signaling ability of thiazole orange dyes: The effectiveness of structural modification site and its unusual interaction behavior with nucleic acids. Dyes and Pigments, 2018, 159, 449-456.	2.0	17
28	A Compact and Synthetically Accessible Fluorineâ€18 Labelled Cyclooctyne Prosthetic Group for Labelling of Biomolecules by Copperâ€Free Click Chemistry. ChemMedChem, 2018, 13, 1625-1628.	1.6	10
29	Aminoâ€Substituted 2,2â€²â€Bipyridine Ligands as Fluorescent Indicators for Zn^{II} and Applications for Fluorescence Imaging of Prostate Cells. Chemistry - A European Journal, 2018, 24, 14539-14546.	1.7	10
30	Peptidomimetic growth hormone secretagogue derivatives for positron emission tomography imaging of the ghrelin receptor. European Journal of Medicinal Chemistry, 2018, 157, 1500-1511.	2.6	7
31	Receptor for hyaluronan mediated motility (RHAMM/HMMR) is a novel target for promoting subcutaneous adipogenesis. Integrative Biology (United Kingdom), 2017, 9, 223-237.	0.6	26
32	The interaction of a structural flexible small molecule with nucleic acid structures: Investigation of the origin of fluorescence signal discrimination in sensing and the utilization in live cell imaging. Sensors and Actuators B: Chemical, 2017, 250, 543-551.	4.0	14
33	Synthesis of a poly(Gd(<scp>iii</scp>)-DOTA)â€“PNA conjugate as a potential MRI contrast agent via post-synthetic click chemistry functionalization. RSC Advances, 2017, 7, 45222-45226.	1.7	4
34	Structureâ€“Activity Study of Ghrelin(1â€“8) Resulting in High Affinity Fluorine-Bearing Ligands for the Ghrelin Receptor. Journal of Medicinal Chemistry, 2017, 60, 7256-7266.	2.9	20
35	Viral nanoparticles decorated with novel EGFL7 ligands enable intravital imaging of tumor neovasculature. Nanoscale, 2017, 9, 12096-12109.	2.8	23
36	Bombesinâ€functionalized waterâ€soluble gold nanoparticles for targeting prostate cancer. Journal of Interdisciplinary Nanomedicine, 2017, 2, 174-187.	3.6	6

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37	Copper-assisted azideâ€“alkyne cycloaddition chemistry as a tool for the production of emissive boron difluoride 3-cyanoformazanates. Organic Chemistry Frontiers, 2017, 4, 178-190.	2.3	29
38	Novel Methods of Determining Urinary Calculi Composition: Petrographic Thin Sectioning of Calculi and Nanoscale Flow Cytometry Urinalysis. Scientific Reports, 2016, 6, 19328.	1.6	10
39	Evaluation of 6-([18F] fluoroacetamido)-1-hexanoic-anilide (18F-FAHA) as imaging probe in tumor xenograft mice model. , 2016, , .		1
40	Design of a Microfluidic Chip for Magnetic-Activated Sorting of One-Bead-One-Compound Libraries. ACS Combinatorial Science, 2016, 18, 271-278.	3.8	8
41	Bridging computational modeling with amino acid replacements to investigate GHS-R1a-peptidomimetic recognition. European Journal of Medicinal Chemistry, 2016, 123, 822-833.	2.6	22
42	Molecular Engineering of Thiazole Orange Dye: Change of Fluorescent Signaling from Universal to Specific upon Binding with Nucleic Acids in Bioassay. ACS Chemical Biology, 2016, 11, 1019-1029.	1.6	64
43	Molecular imaging probes derived from natural peptides. Natural Product Reports, 2016, 33, 761-800.	5.2	52
44	Synthesis and Evaluation of Optical and PET GLP-1 Peptide Analogues for GLP-1R Imaging. Molecular Imaging, 2015, 14, 1-16.	0.7	22
45	Evaluation of Anisoleâ€Substituted Boron Difluoride Formazanate Complexes for Fluorescence Cell Imaging. Chemistry - A European Journal, 2015, 21, 15589-15599.	1.7	65
46	Frontispiece: An Integrated Imaging Probe Design: The Synthesis of99mTc/Re-Containing Macrocyclic Peptide Scaffolds. Chemistry - A European Journal, 2015, 21, n/a-n/a.	1.7	0
47	The development of organometallic OBOC peptide libraries and sequencing of N-terminal rhenium(I) tricarbonyl-containing peptides utilizing MALDI tandem mass spectrometry. Canadian Journal of Chemistry, 2015, 93, 234-243.	0.6	5
48	Introduction of Peripheral Carboxylates to Decrease the Charge on Tm³⁺ DOTAM-Alkyl Complexes: Implications for Detection Sensitivity and in Vivo Toxicity of PARACEST MRI Contrast Agents. Journal of Medicinal Chemistry, 2015, 58, 6516-6532.	2.9	7
49	Identification, design and synthesis of tubulin-derived peptides as novel hyaluronan mimetic ligands for the receptor for hyaluronan-mediated motility (RHAMM/HMMR). Integrative Biology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.6	0
50	An Integrated Imaging Probe Design: The Synthesis of ^{99m}Tc/Reâ€Containing Macrocyclic Peptide Scaffolds. Chemistry - A European Journal, 2015, 21, 568-578.	1.7	8
51	Identification of a selective G-quadruplex DNA binder using a multistep virtual screening approach. Chemical Communications, 2015, 51, 198-201.	2.2	23
52	Dysprosium(III) and thulium(III) complexes of DO3A-monoanilides: an investigation of electronic effects on their relaxometric and amide-based PARACEST properties. Canadian Journal of Chemistry, 2015, 93, 244-252.	0.6	2
53	Synthesis and Cell-Based Screening of One-Bead-One-Compound Peptide Libraries. Methods in Molecular Biology, 2015, 1248, 223-237.	0.4	8
54	Characterization of a far-red analog of ghrelin for imaging GHS-R in P19-derived cardiomyocytes. Peptides, 2014, 54, 81-88.	1.2	23

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55	MRI ParaCEST agents that improve amide based pH measurements by limiting inner sphere water T₂exchange. RSC Advances, 2014, 4, 1666-1674.	1.7	10
56	Dual-Modal Magnetic Resonance and Fluorescence Imaging of Atherosclerotic Plaques in Vivo Using VCAM-1 Targeted Tobacco Mosaic Virus. Nano Letters, 2014, 14, 1551-1558.	4.5	145
57	Molecular Targeted Viral Nanoparticles as Tools for Imaging Cancer. Methods in Molecular Biology, 2014, 1108, 211-230.	0.4	33
58	High-Throughput Screening of One-Beadâ€“One-Compound Peptide Libraries Using Intact Cells. ACS Combinatorial Science, 2013, 15, 393-400.	3.8	32
59	Water-soluble gold nanoparticles (AuNP) functionalized with a gadolinium(iii) chelate via Michael addition for use as a MRI contrast agent. Journal of Materials Chemistry B, 2013, 1, 5628.	2.9	19
60	Complexes of selected late period lanthanide(III) cations with 1,4,7,10-tetraazacyclododecane-1,4,7,10-tetraacetic acid amide (DOTAM)-alkyl ligands â€" A new platform for the development of paramagnetic chemical exchange saturation transfer (PARACEST) magnetic resonance imaging (MRI) contrast agents. Canadian Journal of Chemistry, 2013, 91, 211-219.	0.6	8
61	ParaCEST MRI contrast agents capable of derivatizationvia â€œclickâ€•chemistry. Organic and Biomolecular Chemistry, 2012, 10, 287-292.	1.5	26
62	Investigation of isomer formation upon coordination of bifunctional histidine analogues with 99mTc/Re(CO)3. Dalton Transactions, 2012, 41, 2950.	1.6	7
63	Imaging of Homeostatic, Neoplastic, and Injured Tissues by HA-Based Probes. Biomacromolecules, 2012, 13, 12-22.	2.6	15
64	Discovery of Novel Integrin Ligands from Combinatorial Libraries Using a Multiplex â€œBeads on a Beadâ€• Approach. Nano Letters, 2012, 12, 5957-5965.	4.5	22
65	Synthesis of Rheniumâ€Centric Reverse Turn Mimics. Chemistry - A European Journal, 2012, 18, 12999-13007.	1.7	3
66	A RHAMM Mimetic Peptide Blocks Hyaluronan Signaling and Reduces Inflammation and Fibrogenesis in Excisional Skin Wounds. American Journal of Pathology, 2012, 181, 1250-1270.	1.9	97
67	Ghrelin receptor as a novel imaging target for prostatic neoplasms. Prostate, 2012, 72, 825-833.	1.2	27
68	Synthesis, radiometal labeling and in vitro evaluation of a targeted PPIX derivative. Applied Radiation and Isotopes, 2012, 70, 505-511.	0.7	27
69	Contrast agents possessing high temperature sensitivity. Chemical Communications, 2011, 47, 9194.	2.2	15
70	Design and characterization of a fluorescent ghrelin analog for imaging the growth hormone secretagogue receptor 1a. Regulatory Peptides, 2011, 172, 69-76.	1.9	43
71	Intravital Imaging of Human Prostate Cancer Using Viral Nanoparticles Targeted to Gastrinâ€Releasing Peptide Receptors. Small, 2011, 7, 1664-1672.	5.2	100
72	Viral Nanoparticles: Intravital Imaging of Human Prostate Cancer Using Viral Nanoparticles Targeted to Gastrinâ€Releasing Peptide Receptors (Small 12/2011). Small, 2011, 7, 1602-1602.	5.2	0

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73	Monoâ€•and Tetraalkyne Modified Ligands and Their Eu³⁺ Complexes â€“ Utilizing â€œClickâ€• Chemistry to Expand the Scope of Conjugation Chemistry. European Journal of Organic Chemistry, 2011, 2011, 6532-6543.	1.2	13
74	Synthesis of bombesin-functionalized iron oxide nanoparticles and their specific uptake in prostate cancer cells. Journal of Nanoparticle Research, 2010, 12, 1599-1608.	0.8	53
75	A fast, reproducible and lowâ€cost method for sequence deconvolution of â€˜onâ€beadâ€™ peptides via â€˜onâ€targetâ€™ maldiâ€TOF/TOF mass spectrometry. Journal of Mass Spectrometry, 2010, 45, 241-251.	0.7	19
76	Design, synthesis and in vitro characterization of Glucagon-Like Peptide-1 derivatives for pancreatic beta cell imaging by SPECT. Bioorganic and Medicinal Chemistry, 2010, 18, 1265-1272.	1.4	19
77	RHAMM Promotes Interphase Microtubule Instability and Mitotic Spindle Integrity through MEK1/ERK1/2 Activity. Journal of Biological Chemistry, 2010, 285, 26461-26474.	1.6	78
78	Fluorine and Rhenium Substituted Ghrelin Analogues as Potential Imaging Probes for the Growth Hormone Secretagogue Receptor. Journal of Medicinal Chemistry, 2009, 52, 2196-2203.	2.9	37
79	Pharmacokinetics and Pharmacodynamics of Hyaluronan Infused into Healthy Human Volunteers. The Open Drug Metabolism Journal, 2009, 3, 43-55.	0.5	16
80	Design and Synthesis of Functionalized Cyclopentadienyl Tricarbonylmetal Complexes for Technetium-94m PET Imaging of Estrogen Receptors. Bioconjugate Chemistry, 2005, 16, 255-264.	1.8	33
81	â€œScorpion-likeâ€•dithiocarbamato-carboxylate ligands for linking M(CO)3 + (M=Tc, Re). European Physical Journal D, 2003, 53, A543-A548.	0.4	2
82	7Î±- and 17Î±-Substituted estrogens containing tridentate tricarbonyl rhenium/Technetium complexes: synthesis of estrogen receptor imaging agents and evaluation using microPET with technetium-94m. Bioorganic and Medicinal Chemistry, 2003, 11, 4977-4989.	1.4	44
83	A Trithiolate Tripodal Bifunctional Ligand for the Radiolabeling of Peptides with Gallium(III). Bioconjugate Chemistry, 2002, 13, 1140-1145.	1.8	28
84	New dithiocarbamato-carboxylate chelation units for linking M(CO)3+ (M = Tc, Re) species to other molecules. Journal of Labelled Compounds and Radiopharmaceuticals, 2001, 44, S486-S488.	0.5	1
85	Preparation of cyclopentadienyl tricarbonyl technetiumâ€94m complexes. Journal of Labelled Compounds and Radiopharmaceuticals, 2001, 44, S489.	0.5	0
86	Lysine conjugates for the labelling of peptides with technetium-99m and rhenium. Journal of Labelled Compounds and Radiopharmaceuticals, 2000, 43, 403-412.	0.5	5
87	Single Isomer Technetium-99m Tamoxifen Conjugates. Bioconjugate Chemistry, 2000, 11, 175-181.	1.8	16
88	An N2S2Bifunctional Chelator for Technetium-99m and Rhenium:Â Complexation, Conjugation, and Epimerization to a Single Isomer. Bioconjugate Chemistry, 1999, 10, 470-479.	1.8	15
89	A convenient synthesis of 6,6â€²-dialkoxythioindigo dyes suitable for doping into a liquid crystal host. Tetrahedron Letters, 1994, 35, 7549-7552.	0.7	8