

Olivier Clément

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5693522/publications.pdf>

Version: 2024-02-01

120
papers

7,517
citations

57758

44
h-index

53230

85
g-index

124
all docs

124
docs citations

124
times ranked

10833
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic contrast enhanced MRI efficiency in detecting embolization-induced perfusion defects in a rabbit model of critical-limb-ischemia. <i>Magnetic Resonance Imaging</i> , 2022, 87, 88-96.	1.8	0
2	Lumbar Spine Posttherapeutic Imaging. <i>Seminars in Musculoskeletal Radiology</i> , 2022, 26, 314-328.	0.7	0
3	Enhancing digestive fistula healing by the off-label use of a thermoresponsive vessel occluder polymer associated with esophageal stent placement: A case report. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2021, 45, 101474.	1.5	3
4	Local administration of stem cell-derived extracellular vesicles in a thermoresponsive hydrogel promotes a pro-healing effect in a rat model of colo-cutaneous post-surgical fistula. <i>Nanoscale</i> , 2021, 13, 218-232.	5.6	25
5	Extracellular vesicles from adipose stromal cells combined with a thermoresponsive hydrogel prevent esophageal stricture after extensive endoscopic submucosal dissection in a porcine model. <i>Nanoscale</i> , 2021, 13, 14866-14878.	5.6	10
6	Kidney and contrast media: Common viewpoint of the French Nephrology societies (SFNDT, FIRN, CJN) and the French Radiological Society (SFR) following ESUR guidelines. <i>Diagnostic and Interventional Imaging</i> , 2021, 102, 131-139.	3.2	14
7	Human placental perfusion measured using dynamic contrast enhancement MRI. <i>PLoS ONE</i> , 2021, 16, e0256769.	2.5	5
8	Gadolinium Retention: What Do We Know?. <i>Radiology</i> , 2021, 301, 211401.	7.3	3
9	Incorporating radiomics into clinical trials: expert consensus endorsed by the European Society of Radiology on considerations for data-driven compared to biologically driven quantitative biomarkers. <i>European Radiology</i> , 2021, 31, 6001-6012.	4.5	53
10	Succinate detection using in vivo 1H-MR spectroscopy identifies germline and somatic SDHx mutations in paragangliomas. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 1510-1517.	6.4	22
11	Full-field optical coherence tomography for the diagnosis of giant cell arteritis. , 2020, 15, e0234165.		0
12	Full-field optical coherence tomography for the diagnosis of giant cell arteritis. , 2020, 15, e0234165.		0
13	Full-field optical coherence tomography for the diagnosis of giant cell arteritis. , 2020, 15, e0234165.		0
14	Full-field optical coherence tomography for the diagnosis of giant cell arteritis. , 2020, 15, e0234165.		0
15	Nephrotoxicity of iodinated contrast media: From pathophysiology to prevention strategies. <i>European Journal of Radiology</i> , 2019, 116, 231-241.	2.6	94
16	Non-invasive assessment of placental perfusion in vivo using arterial spin labeling (ASL) MRI: A preclinical study in rats. <i>Placenta</i> , 2019, 77, 39-45.	1.5	4
17	Assessment of human placental perfusion by intravoxel incoherent motion MR imaging. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2019, 32, 293-300.	1.5	43
18	Ventromedial medulla inhibitory neuron inactivation induces REM sleep without atonia and REM sleep behavior disorder. <i>Nature Communications</i> , 2018, 9, 504.	12.8	85

#	ARTICLE	IF	CITATIONS
19	Post-contrast acute kidney injury. Part 2: risk stratification, role of hydration and other prophylactic measures, patients taking metformin and chronic dialysis patients. <i>European Radiology</i> , 2018, 28, 2856-2869.	4.5	192
20	Post-contrast acute kidney injury – Part 1: Definition, clinical features, incidence, role of contrast medium and risk factors. <i>European Radiology</i> , 2018, 28, 2845-2855.	4.5	306
21	Assessment of Placental Perfusion in the Preeclampsia L-NAME Rat Model with High-Field Dynamic Contrast-Enhanced MRI. <i>Fetal Diagnosis and Therapy</i> , 2018, 44, 277-284.	1.4	14
22	Nanohybrids with Magnetic and Persistent Luminescence Properties for Cell Labeling, Tracking, In Vivo Real-Time Imaging, and Magnetic Vectorization. <i>Small</i> , 2018, 14, e1800020.	10.0	38
23	Evaluation of a new model of hind limb ischemia in rabbits. <i>Journal of Vascular Surgery</i> , 2018, 68, 849-857.	1.1	5
24	Iodine-based contrast media, multiple myeloma and monoclonal gammopathies: literature review and ESUR Contrast Media Safety Committee guidelines. <i>European Radiology</i> , 2018, 28, 683-691.	4.5	33
25	Thermoresponsive Gel Embedded with Adipose Stem-Cell-Derived Extracellular Vesicles Promotes Esophageal Fistula Healing in a Thermo-Actuated Delivery Strategy. <i>ACS Nano</i> , 2018, 12, 9800-9814.	14.6	60
26	Immediate Hypersensitivity to Contrast Agents: The French 5-year CIRTACI Study. <i>EClinicalMedicine</i> , 2018, 1, 51-61.	7.1	55
27	Bone marrow-derived mesenchymal stem cell-loaded fibrin patches act as a reservoir of paracrine factors in chronic myocardial infarction. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 3417-3427.	2.7	28
28	ADSC-sheet Transplantation to Prevent Stricture after Extended Esophageal Endoscopic Submucosal Dissection. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	9
29	Chelated or dechelated gadolinium deposition. <i>Lancet Neurology</i> , The, 2017, 16, 955.	10.2	19
30	Designing 3D Mesenchymal Stem Cell Sheets Merging Magnetic and Fluorescent Features: When Cell Sheet Technology Meets Image-Guided Cell Therapy. <i>Theranostics</i> , 2016, 6, 739-751.	10.0	22
31	A Newly Designed Enterocutaneous Esophageal Fistula Model in the Pig. <i>Surgical Innovation</i> , 2016, 23, 221-228.	0.9	2
32	Cell Sheet Transplantation for Esophageal Stricture Prevention after Endoscopic Submucosal Dissection in a Porcine Model. <i>PLoS ONE</i> , 2016, 11, e0148249.	2.5	37
33	Jejunojunal intussusception after polypectomy by spiral enteroscopy in Peutz-Jeghers syndrome. <i>Endoscopy</i> , 2015, 47, E540-E541.	1.8	0
34	Design, Properties, and In Vivo Behavior of Superparamagnetic Persistent Luminescence Nanohybrids. <i>Small</i> , 2015, 11, 2696-2704.	10.0	49
35	Combining Magnetic Hyperthermia and Photodynamic Therapy for Tumor Ablation with Photoresponsive Magnetic Liposomes. <i>ACS Nano</i> , 2015, 9, 2904-2916.	14.6	284
36	Antitumoral Effect of Mural Cells Assessed With High-Resolution MRI and Fluorescence Microscopy. <i>American Journal of Roentgenology</i> , 2015, 205, W11-W18.	2.2	2

#	ARTICLE	IF	CITATIONS
37	Hepatic vein thrombosis associated with segmental hypo-attenuation in the liver: an unusual complication of a haemodialysis catheter. <i>Internal and Emergency Medicine</i> , 2015, 10, 531-532.	2.0	1
38	Functional imaging of the human placenta with magnetic resonance. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 213, S103-S114.	1.3	106
39	The Inhibition of the Dorsal Paragigantocellular Reticular Nucleus Induces Waking and the Activation of All Adrenergic and Noradrenergic Neurons: A Combined Pharmacological and Functional Neuroanatomical Study. <i>PLoS ONE</i> , 2014, 9, e96851.	2.5	18
40	Multiparametric optical and MR imaging demonstrate inhibition of tumor angiogenesis natural history by mural cell therapy. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 841-849.	3.0	1
41	Incidence of Nephrogenic Systemic Fibrosis in Patients Undergoing Dialysis After Contrast-Enhanced Magnetic Resonance Imaging With Gadolinium-Based Contrast Agents. <i>Investigative Radiology</i> , 2014, 49, 109-115.	6.2	61
42	Netrin-4 promotes mural cell adhesion and recruitment to endothelial cells. <i>Vascular Cell</i> , 2014, 6, 1.	0.2	39
43	Highly cohesive dual nanoassemblies for complementary multiscale bioimaging. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7747-7755.	5.8	13
44	Multifunctional Rare-Earth Vanadate Nanoparticles: Luminescent Labels, Oxidant Sensors, and MRI Contrast Agents. <i>ACS Nano</i> , 2014, 8, 11126-11137.	14.6	116
45	Natural language processing of radiology reports for the detection of thromboembolic diseases and clinically relevant incidental findings. <i>BMC Bioinformatics</i> , 2014, 15, 266.	2.6	81
46	Heat-Generating Iron Oxide Nanocubes: Subtle "Deconstructors" of the Tumoral Microenvironment. <i>ACS Nano</i> , 2014, 8, 4268-4283.	14.6	200
47	Acute Adverse Reactions to Contrast Media: Mechanisms and Prevention. <i>Medical Radiology</i> , 2014, , 51-60.	0.1	5
48	Cell labeling with magnetic nanoparticles: Opportunity for magnetic cell imaging and cell manipulation. <i>Journal of Nanobiotechnology</i> , 2013, 11, S7.	9.1	91
49	Real-time high-resolution magnetic resonance tracking of macrophage subpopulations in a murine inflammation model: a pilot study with a commercially available cryogenic probe. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 193-203.	0.8	27
50	Nephrogenic systemic fibrosis and gadolinium-based contrast media: updated ESUR Contrast Medium Safety Committee guidelines. <i>European Radiology</i> , 2013, 23, 307-318.	4.5	396
51	Mucosal Imprinting of Vaccine-Induced CD8 ⁺ T Cells Is Crucial to Inhibit the Growth of Mucosal Tumors. <i>Science Translational Medicine</i> , 2013, 5, 172ra20.	12.4	195
52	Magnetic and Photoresponsive Theranosomes: Translating Cell-Released Vesicles into Smart Nanovectors for Cancer Therapy. <i>ACS Nano</i> , 2013, 7, 4954-4966.	14.6	105
53	Fetoplacental Oxygenation in an Intrauterine Growth Restriction Rat Model by Using Blood Oxygen Level-Dependent MR Imaging at 4.7 T. <i>Radiology</i> , 2013, 269, 122-129.	7.3	32
54	Science to Practice: Dual Contrast-enhanced MR Imaging to Monitor for Rejection of Pancreatic Islet Transplantation?. <i>Radiology</i> , 2013, 266, 693-694.	7.3	2

#	ARTICLE	IF	CITATIONS
55	Evaluation of Rat Heart Microvasculature with High-Spatial-Resolution Susceptibility-weighted MR Imaging. <i>Radiology</i> , 2013, 269, 277-282.	7.3	3
56	Opening of the blood-brain barrier with an unfocused ultrasound device in rabbits. <i>Journal of Neurosurgery</i> , 2013, 119, 887-898.	1.6	57
57	In vivo Imaging of Tumor Angiogenesis using Fluorescence Confocal Videomicroscopy. <i>Journal of Visualized Experiments</i> , 2013, , .	0.3	5
58	Brainstem structures involved in rapid eye movement sleep behavior disorder. <i>Sleep and Biological Rhythms</i> , 2013, 11, 9-14.	1.0	1
59	Human Erythrocytes Covered with Magnetic Core"Shell Nanoparticles for Multimodal Imaging. <i>Advanced Healthcare Materials</i> , 2013, 2, 1209-1212.	7.6	13
60	Considerations for the clinical use of contrast agents for cellular MRI in regenerative medicine. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 439-455.	0.8	34
61	Use of Intravoxel Incoherent Motion MR Imaging to Assess Placental Perfusion in a Murine Model of Placental Insufficiency. <i>Investigative Radiology</i> , 2013, 48, 17-23.	6.2	34
62	Measurement of Placental Perfusion by Dynamic Contrast-Enhanced MRI at 4.7 T. <i>Investigative Radiology</i> , 2013, 48, 535-542.	6.2	22
63	Adipose Tissue Macrophages: MR Tracking to Monitor Obesity-associated Inflammation. <i>Radiology</i> , 2012, 263, 786-793.	7.3	26
64	Frequent and Widespread Vascular Abnormalities in Human Signal Transducer and Activator of Transcription 3 Deficiency. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 25-34.	5.1	56
65	The Lateral Hypothalamic Area Controls Paradoxical (REM) Sleep by Means of Descending Projections to Brainstem GABAergic Neurons. <i>Journal of Neuroscience</i> , 2012, 32, 16763-16774.	3.6	85
66	Macromolecular Capillary Leakage Is Involved in the Onset of Anaphylactic Hypotension. <i>Anesthesiology</i> , 2012, 117, 1072-1079.	2.5	18
67	Can Magnetic Targeting of Magnetically Labeled Circulating Cells Optimize Intramyocardial Cell Retention?. <i>Cell Transplantation</i> , 2012, 21, 679-691.	2.5	41
68	Endothelial Cell"derived Microparticles Loaded with Iron Oxide Nanoparticles: Feasibility of MR Imaging Monitoring in Mice. <i>Radiology</i> , 2012, 263, 169-178.	7.3	38
69	Ultra Magnetic Liposomes for MR Imaging, Targeting, and Hyperthermia. <i>Langmuir</i> , 2012, 28, 11834-11842.	3.5	177
70	Immediate reactions following iodinated contrast media injection: A study of 38 cases. <i>European Journal of Radiology</i> , 2011, 77, 495-501.	2.6	68
71	The neuronal network responsible for paradoxical sleep and its dysfunctions causing narcolepsy and rapid eye movement (REM) behavior disorder. <i>Sleep Medicine Reviews</i> , 2011, 15, 153-163.	8.5	230
72	Evidence that Neurons of the Sublaterodorsal Tegmental Nucleus Triggering Paradoxical (REM) Sleep Are Glutamatergic. <i>Sleep</i> , 2011, 34, 419-423.	1.1	135

#	ARTICLE	IF	CITATIONS
73	Late adverse reactions to intravascular iodine based contrast media: an update. <i>European Radiology</i> , 2011, 21, 2305-2310.	4.5	43
74	Contrast induced nephropathy: updated ESUR Contrast Media Safety Committee guidelines. <i>European Radiology</i> , 2011, 21, 2527-2541.	4.5	750
75	Accuracy of perfusion MRI with high spatial but low temporal resolution to assess invasive breast cancer response to neoadjuvant chemotherapy: a retrospective study. <i>BMC Cancer</i> , 2011, 11, 361.	2.6	35
76	Maternofetal Pharmacokinetics of a Gadolinium Chelate Contrast Agent in Mice. <i>Radiology</i> , 2011, 258, 455-460.	7.3	58
77	Signal-to-Noise Ratio Improvement in Dynamic Contrast-enhanced CT and MR Imaging with Automated Principal Component Analysis Filtering. <i>Radiology</i> , 2011, 258, 435-445.	7.3	20
78	HypersensibilitĂ© immĂ©diat auxÂroduits deÂontraste. <i>Sang Thrombose Vaisseaux</i> , 2010, 22, 429-433.	0.1	1
79	Metformin and Contrast Media. <i>Radiology</i> , 2010, 256, 672-673.	7.3	11
80	Prevalence of nephrogenic systemic fibrosis in renal insufficiency patients: Results of the FINEST study. <i>European Journal of Radiology</i> , 2010, 73, 357-359.	2.6	45
81	Magnetic targeting of iron-oxide-labeled fluorescent hepatoma cells to the liver. <i>European Radiology</i> , 2009, 19, 1087-1096.	4.5	28
82	Localization of the Brainstem GABAergic Neurons Controlling Paradoxical (REM) Sleep. <i>PLoS ONE</i> , 2009, 4, e4272.	2.5	207
83	In vivo single cell detection of tumorÂfiltrating lymphocytes with a clinical 1.5 Tesla MRI system. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 1292-1297.	3.0	52
84	In vivo imaging of transplanted hepatocytes with a 1.5-T clinical MRI systemÂinitial experience in mice. <i>European Radiology</i> , 2008, 18, 59-69.	4.5	15
85	Magnetic Targeting of Rhodamine-Labeled Superparamagnetic Liposomes to Solid Tumors: In Vivo Tracking by Fibered Confocal Fluorescence Microscopy. <i>Molecular Imaging</i> , 2007, 6, 7290.2007.00004.	1.4	33
86	Giant Vesicles Containing Magnetic Nanoparticles and Quantum Dots: Feasibility and Tracking by Fiber Confocal Fluorescence Microscopy. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5421-5424.	13.8	84
87	Magnetic targeting of rhodamine-labeled superparamagnetic liposomes to solid tumors: in vivo tracking by fibered confocal fluorescence microscopy. <i>Molecular Imaging</i> , 2007, 6, 140-6.	1.4	9
88	Phenotypic Study of Human Gingival Fibroblasts Labeled With Superparamagnetic Anionic Nanoparticles. <i>Journal of Periodontology</i> , 2006, 77, 238-247.	3.4	24
89	Lymph node imaging: Basic principles. <i>European Journal of Radiology</i> , 2006, 58, 338-344.	2.6	77
90	Immediate and Late Adverse Reactions to Iodinated Contrast Media: A Pharmacological Point of View. Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry, 2006, 5, 105-117.	1.1	4

#	ARTICLE	IF	CITATIONS
91	Magnetic Targeting of Magnetoliposomes to Solid Tumors with MR Imaging Monitoring in Mice: Feasibility. <i>Radiology</i> , 2006, 239, 415-424.	7.3	135
92	In vivo cellular imaging of lymphocyte trafficking by MRI: A tumor model approach to cell-based anticancer therapy. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 498-508.	3.0	88
93	Placental Perfusion and Permeability: Simultaneous Assessment with Dual-Echo Contrast-enhanced MR Imaging in Mice. <i>Radiology</i> , 2006, 241, 737-745.	7.3	63
94	Comprehensive model for simultaneous MRI determination of perfusion and permeability using a blood-pool agent in rats rhabdomyosarcoma. <i>European Radiology</i> , 2005, 15, 2497-2505.	4.5	44
95	Generation of Superparamagnetic Liposomes Revealed as Highly Efficient MRI Contrast Agents for in Vivo Imaging. <i>Journal of the American Chemical Society</i> , 2005, 127, 10676-10685.	13.7	416
96	New criteria for assessing fit quality in dynamic contrast-enhanced T1-weighted MRI for perfusion and permeability imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 868-877.	3.0	40
97	Placental Perfusion MR Imaging with Contrast Agents in a Mouse Model. <i>Radiology</i> , 2005, 235, 73-80.	7.3	62
98	Can We Monitor Cell Therapy with MR Imaging at Clinical Field Strength after Systemic Injection?. <i>Radiology</i> , 2005, 234, 3-3.	7.3	1
99	Early modifications of hepatic perfusion measured by functional CT in a rat model of hepatocellular carcinoma using a blood pool contrast agent. <i>European Radiology</i> , 2004, 14, 2125-2133.	4.5	79
100	In vivo cellular imaging of magnetically labeled hybridomas in the spleen with a 1.5-T clinical MRI system. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 73-79.	3.0	40
101	Glucose-Receptor MR Imaging of Tumors: Study in Mice with PEGylated Paramagnetic Niosomes. <i>Radiology</i> , 2004, 231, 135-142.	7.3	88
102	Assessing Perfusion and Capillary Permeability Changes Induced by a VEGF Inhibitor in Human Tumor Xenografts using Macromolecular MR Imaging Contrast Media. <i>Academic Radiology</i> , 2002, 9, S328-S329.	2.5	10
103	Functional Imaging of Tumors Using CT and Iodinated Contrast Media of Different Molecular Weights. <i>Academic Radiology</i> , 2002, 9, S212-S214.	2.5	5
104	Deconvolution Technique for Measuring Tissue Perfusion by Dynamic CT. <i>Academic Radiology</i> , 2002, 9, S205-S211.	2.5	18
105	Hepatocyte Targeting with Gd-EOB-DTPA. <i>Investigative Radiology</i> , 2001, 36, 9-14.	6.2	21
106	Early Changes in Liver Perfusion Caused by Occult Metastases in Rats: Detection with Quantitative CT. <i>Radiology</i> , 2001, 218, 556-561.	7.3	138
107	MR lymphography using iron oxide nanoparticles in rats: Pharmacokinetics in the lymphatic system after intravenous injection. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 734-739.	3.4	76
108	The rete mirabile of the eel: A useful model for the study of transcapillary passage of MR contrast agents. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 9, 353-361.	3.4	3

#	ARTICLE	IF	CITATIONS
109	Mechanisms of Action of Liver Contrast Agents: Impact for Clinical Use. <i>Journal of Computer Assisted Tomography</i> , 1999, 23, S45-S52.	0.9	15
110	A gerbil model for rhombencephalitis due to <i>Listeria monocytogenes</i> . <i>Microbial Pathogenesis</i> , 1997, 23, 39-48.	2.9	42
111	Measurement of liver blood volume using a macromolecular MRI contrast agent at equilibrium. <i>Magnetic Resonance Imaging</i> , 1997, 15, 415-421.	1.8	11
112	Liver positive enhancement after injection of superparamagnetic nanoparticles: Respective role of circulating and uptaken particles. <i>Magnetic Resonance Imaging</i> , 1997, 15, 1025-1031.	1.8	97
113	Capillary leakage of a macromolecular MRI agent, carboxymethyl-dextran-Gd-DTPA, in the liver: Pharmacokinetics and imaging implications. <i>Magnetic Resonance Imaging</i> , 1996, 14, 381-390.	1.8	24
114	Effect of varying the molecular weight of the MR contrast agent Gd-DTPA-polylysine on blood pharmacokinetics and enhancement patterns. <i>Journal of Magnetic Resonance Imaging</i> , 1994, 4, 381-388.	3.4	104
115	Overview of Contrast Enhancement with Iron Oxides. <i>Investigative Radiology</i> , 1994, 29, S75-S77.	6.2	21
116	Comparison of Gd-EOB-DTPA and Gd-DTPA for contrast-enhanced MR imaging of liver tumors. <i>Journal of Magnetic Resonance Imaging</i> , 1993, 3, 71-77.	3.4	48
117	Safety aspects and pharmacokinetics of inhaled aerosolized gadolinium. <i>Journal of Magnetic Resonance Imaging</i> , 1993, 3, 125-130.	3.4	27
118	Superparamagnetic iron oxides as positive MR contrast agents: In vitro and in vivo evidence. <i>Magnetic Resonance Imaging</i> , 1993, 11, 509-519.	1.8	191
119	Detection of zonal renal ischemia with contrast-enhanced MR imaging with a macromolecular blood pool contrast agent. <i>Journal of Magnetic Resonance Imaging</i> , 1992, 2, 311-319.	3.4	25
120	Tumor Imaging. , 0, , 277-309.		0