

Pascal Perriat

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

4,000
citations

31
h-index

63
g-index

72
ext. papers

4,266
ext. citations

6.1
avg, IF

4.41
L-index

#	Paper	IF	Citations
72	Enhanced chemiluminescence-based detection on gold substrate after electrografting of diazonium precursor-coated gold nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2016 , 467, 271-279	4.9	5
71	The High Radiosensitizing Efficiency of a Trace of Gadolinium-Based Nanoparticles in Tumors. <i>Scientific Reports</i> , 2016 , 6, 29678	4.9	29
70	Long-term in vivo clearance of gadolinium-based AGuIX nanoparticles and their biocompatibility after systemic injection. <i>ACS Nano</i> , 2015 , 9, 2477-88	16.7	109
69	Nebulized gadolinium-based nanoparticles: a theranostic approach for lung tumor imaging and radiosensitization. <i>Small</i> , 2015 , 11, 215-21	11	71
68	Gadolinium nanoparticles and contrast agent as radiation sensitizers. <i>Physics in Medicine and Biology</i> , 2015 , 60, 4449-64	3.8	51
67	Multifunctional ultrasmall nanoplatforms for vascular-targeted interstitial photodynamic therapy of brain tumors guided by real-time MRI. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 657-70	6	41
66	Ultrasmall particles for Gd-MRI and (68) Ga-PET dual imaging. <i>Contrast Media and Molecular Imaging</i> , 2015 , 10, 309-19	3.2	30
65	The In Vivo Radiosensitizing Effect of Gold Nanoparticles Based MRI Contrast Agents. <i>Small</i> , 2014 , 10, 1116	11	92
64	A 5-(difluorenyl)-1,10-phenanthroline-based Ru(II) complex as a coating agent for potential multifunctional gold nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 14826-33	3.6	10
63	Amorphous nanoshell formed through random growth and related plasmonic behaviors. <i>Chemical Physics Letters</i> , 2014 , 610-611, 278-283	2.5	4
62	Advantages of gadolinium based ultrasmall nanoparticles vs molecular gadolinium chelates for radiotherapy guided by MRI for glioma treatment. <i>Cancer Nanotechnology</i> , 2014 , 5, 4	7.9	78
61	Mn(II)-containing coordination nanoparticles as highly efficient T(1) contrast agents for magnetic resonance imaging. <i>Chemical Communications</i> , 2014 , 50, 6740-3	5.8	34
60	Functionalization of small rigid platforms with cyclic RGD peptides for targeting tumors overexpressing $\alpha_5\beta_1$ -integrins. <i>Bioconjugate Chemistry</i> , 2013 , 24, 1584-97	6.3	42
59	X-ray-Induced Singlet Oxygen Activation with Nanoscintillator-Coupled Porphyrins. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 21583-21589	3.8	102
58	Paramagnetic nanoparticles to track and quantify in vivo immune human therapeutic cells. <i>Nanoscale</i> , 2013 , 5, 11409-15	7.7	10
57	Bifunctional polypyridyl-Ru(II) complex grafted onto gadolinium-based nanoparticles for MR-imaging and photodynamic therapy. <i>Dalton Transactions</i> , 2013 , 42, 12410-20	4.3	26
56	In vivo evidence of the targeting of cartilaginous tissue by pyridinium functionalized nanoparticles. <i>Chemical Communications</i> , 2013 , 49, 3046-8	5.8	7

55	Development of gadolinium based nanoparticles having an affinity towards melanin. <i>Nanoscale</i> , 2013 , 5, 1603-15	7.7	23
54	Internalization pathways into cancer cells of gadolinium-based radiosensitizing nanoparticles. <i>Biomaterials</i> , 2013 , 34, 181-95	15.6	71
53	A top-down synthesis route to ultrasmall multifunctional Gd-based silica nanoparticles for theranostic applications. <i>Chemistry - A European Journal</i> , 2013 , 19, 6122-36	4.8	100
52	The biodistribution of gold nanoparticles designed for renal clearance. <i>Nanoscale</i> , 2013 , 5, 5930-9	7.7	105
51	Shape effect on a single-nanoparticle-based plasmonic nanosensor. <i>Nanotechnology</i> , 2013 , 24, 285502	3.4	23
50	Enhancing molecule fluorescence with asymmetrical plasmonic antennas. <i>Nanoscale</i> , 2013 , 5, 6545-51	7.7	20
49	Influence of NaOH Quantity upon the Size and Luminescent Property of Core-Shell Gd ₂ O ₃ :Tb ³⁺ /SiO _x Nanoparticles. <i>Advanced Materials Research</i> , 2013 , 813, 323-326	0.5	
48	Biodistribution of ultra small gadolinium-based nanoparticles as theranostic agent: application to brain tumors. <i>Journal of Biomaterials Applications</i> , 2013 , 28, 385-94	2.9	40
47	The Design of Hybrid Nanoparticles for Image-Guided Radiotherapy. <i>ACS Symposium Series</i> , 2012 , 95-143	0.4	1
46	Fluorescent Nanobeads: a First Step Toward Intelligent Water Tracers 2012 ,		7
45	Strong two-photon fluorescence enhanced jointly by dipolar and quadrupolar modes of a single plasmonic nanostructure. <i>Applied Physics Letters</i> , 2012 , 101, 051109	3.4	11
44	Optimally Designed Nanoshell and Matryoshka-Nanoshell as a Plasmonic-Enhanced Fluorescence Probe. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 8804-8812	3.8	39
43	Fullerene as electrical hinge. <i>Applied Physics Letters</i> , 2012 , 100, 193111	3.4	6
42	Biodistribution study of nanometric hybrid gadolinium oxide particles as a multimodal SPECT/MR/optical imaging and theragnostic agent. <i>Bioconjugate Chemistry</i> , 2011 , 22, 1145-52	6.3	90
41	Toward an image-guided microbeam radiation therapy using gadolinium-based nanoparticles. <i>ACS Nano</i> , 2011 , 5, 9566-74	16.7	186
40	Biomedical Applications of Nanomaterials Containing Gadolinium. <i>Current Inorganic Chemistry</i> , 2011 , 1, 117-129		13
39	Ultrasmall Rigid Particles as Multimodal Probes for Medical Applications. <i>Angewandte Chemie</i> , 2011 , 123, 12507-12511	3.6	14
38	Ultrasmall rigid particles as multimodal probes for medical applications. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 12299-303	16.4	142

37	Anisotropic Plasmonic Sensing of Individual or Coupled Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 22877-22885	3.8	31
36	Fluorescence correlation spectroscopy near individual gold nanoparticle. <i>Chemical Physics Letters</i> , 2011 , 503, 256-261	2.5	20
35	Multifunctional gadolinium oxide nanoparticles: towards image-guided therapy. <i>Imaging in Medicine</i> , 2010 , 2, 211-223	1	8
34	Accessibility control on copper(II) complexes in mesostructured porous silica obtained by direct synthesis using bidentate organosilane ligands. <i>Langmuir</i> , 2010 , 26, 13493-501	4	13
33	Dendronized iron oxide nanoparticles as contrast agents for MRI. <i>Chemical Communications</i> , 2010 , 46, 985-7	5.8	102
32	Multifunctional nanoparticles: from the detection of biomolecules to the therapy. <i>International Journal of Nanotechnology</i> , 2010 , 7, 781	1.5	23
31	How gold inclusions increase the rate of fluorescein energy homotransfer in silica beads. <i>Chemical Physics Letters</i> , 2010 , 490, 72-75	2.5	4
30	Control of the in vivo biodistribution of hybrid nanoparticles with different poly(ethylene glycol) coatings. <i>Small</i> , 2009 , 5, 2565-75	11	111
29	Optimization of the synthesis of nanostructured Tb ³⁺ -doped Gd ₂ O ₃ by in-situ luminescence following up. <i>Journal of Colloid and Interface Science</i> , 2009 , 333, 684-9	9.3	25
28	Hybrid gadolinium oxide nanoparticles combining imaging and therapy. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2328		65
27	Framework and grafted nickel ethylenediamine complexes in 2D hexagonal mesostructured templated silica. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7308		15
26	Influence of pH upon surface-enhanced enzyme-catalyzed luminol chemiluminescence at vicinity of nanoscale-corrugated gold and silver films. <i>Photochemistry and Photobiology</i> , 2008 , 84, 1244-8	3.6	4
25	Functionalization of luminescent aminated particles for facile bioconjugation. <i>ACS Nano</i> , 2008 , 2, 2273-82	6.7	33
24	Core/shell nanoparticles for multiple biological detection with enhanced sensitivity and kinetics. <i>Nanotechnology</i> , 2008 , 19, 485103	3.4	19
23	Gadolinium chelate coated gold nanoparticles as contrast agents for both X-ray computed tomography and magnetic resonance imaging. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5908-15	16.4	44 ⁸
22	Gold nanoparticles designed for combining dual modality imaging and radiotherapy 2008 , 41, 90-97		32
21	Two examples of nanostructured gold surfaces as biosensors. Surface-enhanced chemiluminescence and double detection by surface plasmon resonance and luminescence 2008 , 41, 174-186		3
20	Ion-conduction pathways in self-organised ureidoarene-heteropolysiloxane hybrid membranes. <i>Chemistry - A European Journal</i> , 2008 , 14, 1776-83	4.8	43

19	Constitutional self-organization of adenine-uracil-derived hybrid materials. <i>Chemistry - A European Journal</i> , 2007 , 13, 6792-800	4.8	57
18	A versatile method for direct and covalent immobilization of DNA and proteins on biochips. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4108-10	16.4	63
17	How the morphology of biochips roughness increases surface-enhanced chemiluminescence. <i>Chemical Physics Letters</i> , 2007 , 439, 105-109	2.5	10
16	Hybrid gadolinium oxide nanoparticles: multimodal contrast agents for in vivo imaging. <i>Journal of the American Chemical Society</i> , 2007 , 129, 5076-84	16.4	656
15	Influence of the nanoscale structure of gold thin films upon peroxidase-induced chemiluminescence. <i>Applied Physics Letters</i> , 2006 , 88, 023903	3.4	17
14	Fabry-Perot type sensor with surface plasmon resonance. <i>Applied Physics Letters</i> , 2006 , 89, 223904	3.4	26
13	How surface-enhanced chemiluminescence depends on the distance from a corrugated metal film. <i>Applied Physics Letters</i> , 2006 , 89, 223128	3.4	19
12	Luminescence enhancement by energy transfer in core-shell structures. <i>Chemical Physics Letters</i> , 2006 , 429, 157-160	2.5	32
11	Sulfur K-edge XANES study of dihydrolipoic acid capped gold nanoparticles: dihydrolipoic acid is bound by both sulfur ends. <i>Chemical Communications</i> , 2005 , 369-71	5.8	23
10	Nanosized Hybrid Particles with Double Luminescence for Biological Labeling. <i>Chemistry of Materials</i> , 2005 , 17, 1673-1682	9.6	172
9	Synthesis, characterization of dihydrolipoic acid capped gold nanoparticles, and functionalization by the electroluminescent luminol. <i>Langmuir</i> , 2005 , 21, 2526-36	4	144
8	Surface adsorption effects on the lattice expansion of copper nanocrystals. <i>Applied Physics Letters</i> , 2005 , 86, 231914	3.4	16
7	Synthesis and optical characterization of Gd ₂ O ₃ :Eu ³⁺ nanocrystals: surface states and VUV excitation. <i>Radiation Measurements</i> , 2004 , 38, 763-766	1.5	24
6	Observation of the gap blueshift on Gd ₂ O ₃ :Eu ³⁺ nanoparticles. <i>Journal of Applied Physics</i> , 2004 , 96, 6502-6503	6.5	64
5	Sintering of copper nanopowders under hydrogen: an in situ X-ray diffraction analysis. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 360, 258-263	5.3	31
4	Synthèse de poudres nanométriques de titanate de strontium par mulsion stabilisée mécaniquement: maîtrise et prédiction de la taille des particules. <i>Comptes Rendus De L'Académie Des Sciences - Series Ilc: Chemistry</i> , 1999 , 2, 379-385		2
3	Mechanical activation conditions of the Fe ₂ O ₃ and V ₂ O ₃ mixture powders in order to obtain a nanometric vanadium spinel ferrite. <i>Powder Technology</i> , 1999 , 105, 155-161	5.2	5
2	Dynamic segregation phenomena during oxidation of titanium ferrites. <i>Journal of Materials Chemistry</i> , 1999 , 9, 1179-1183		7

- 1 Réactivité vis-à-vis de l'oxygène de spinelles de fer-vanadium de taille nanométrique et distribution cationique. *Comptes Rendus De L'Académie Des Sciences - Series IIB - Mechanics-Physics-Chemistry-Astronomy*, **1997**, 325, 279-286

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