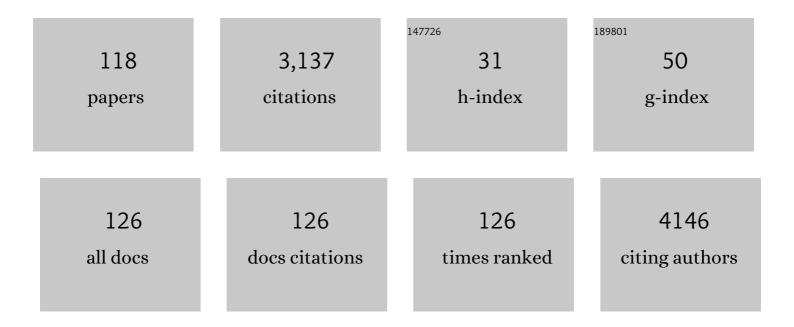
Stephane Parola

List of Publications by Year in descending order

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STEDHANE DADOLA

#	Article	IF	CITATIONS
1	Insight on Chirality Encoding from Small Thiolated Molecule to Plasmonic Au@Ag and Au@Au Nanoparticles. ACS Nano, 2022, 16, 1089-1101.	7.3	25
2	Plasmonic Bipyramidal Au Nanoparticles Enhance Near-Infrared Nonlinear Absorption of Dyes Confined in Sol–Gel Materials: Implications for the Safe Utilization of Lasers. ACS Applied Nano Materials, 2022, 5, 3773-3780.	2.4	2
3	Impact of structural defects on the photocatalytic properties of ZnO. Journal of Hazardous Materials Advances, 2022, 6, 100081.	1.2	14
4	Heterogeneous singlet oxygen generation: in-operando visible light EPR spectroscopy. Environmental Science and Pollution Research, 2021, 28, 25124-25129.	2.7	20
5	Hybrid multimodal contrast agent for multiscale <i>in vivo</i> investigation of neuroinflammation. Nanoscale, 2021, 13, 3767-3781.	2.8	4
6	On the origin of controlled anisotropic growth of monodisperse gold nanobipyramids. Nanoscale, 2021, 13, 15292-15300.	2.8	5
7	Large and Versatile Plasmonic Enhancement of Photoluminescence Using Colloidal Metallic Nanocubes. Journal of Physical Chemistry C, 2021, 125, 7780-7790.	1.5	4
8	Multimodal Imaging with NanoGd Reveals Spatiotemporal Features of Neuroinflammation after Experimental Stroke. Advanced Science, 2021, 8, e2101433.	5.6	12
9	3D Printing and Pyrolysis of Optical ZrO ₂ Nanostructures by Twoâ€Photon Lithography: Reduced Shrinkage and Crystallization Mediated by Nanoparticles Seeds. Small, 2021, 17, e2102486.	5.2	13
10	High-Performance Optical Power Limiting Filters at Telecommunication Wavelengths: When Aza-BODIPY Dyes Bond to Sol–Gel Materials. Journal of Physical Chemistry C, 2020, 124, 24344-24350.	1.5	15
11	Au nanobipyramids@mSiO ₂ core–shell nanoparticles for plasmon-enhanced singlet oxygen photooxygenations in segmented flow microreactors. Nanoscale Advances, 2020, 2, 5280-5287.	2.2	12
12	Simulating Plasmon Resonances of Gold Nanoparticles with Bipyramidal Shapes by Boundary Element Methods. Journal of Chemical Theory and Computation, 2020, 16, 3807-3815.	2.3	15
13	Microfabrication by two-photon lithography, and characterization, of SiO2/TiO2 based hybrid and ceramic microstructures. Journal of Sol-Gel Science and Technology, 2020, 95, 733-745.	1.1	11
14	Hybrid Nano-GdF3 contrast media allows pre-clinical in vivo element-specific K-edge imaging and quantification. Scientific Reports, 2019, 9, 12090.	1.6	23
15	Liquid-Crystalline Suspensions of Photosensitive Paramagnetic CeF ₃ Nanodiscs. Langmuir, 2019, 35, 16256-16265.	1.6	7
16	Beyond the Concentration Limitation in the Synthesis of Nanobipyramids and Other Pentatwinned Gold Nanostructures. ACS Applied Materials & Interfaces, 2019, 11, 39068-39076.	4.0	26
17	An Optical Power Limiting and Ultrafast Photophysics Investigation of a Series of Multi-Branched Heavy Atom Substituted Fluorene Molecules. Inorganics, 2019, 7, 126.	1.2	3
18	Impact of the synthesis parameters on the microstructure of nano-structured LTO prepared by glycothermal routes and 7Li NMR structural investigations. Journal of Sol-Gel Science and Technology, 2019, 89, 225-233.	1.1	4

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19	Fast Prototyping of Silica Glass Microfluidic Chips: The Sol-Gel Route. Advanced Materials Technologies, 2018, 3, 1700267.	3.0	2
20	Plasmonic Nanoparticles Driven Enhanced Light Amplification in a Local 2D and 3D Self-Assembly. Nanomaterials, 2018, 8, 1051.	1.9	7
21	Design and Application of High Optical Quality YAC:Ce Nanocrystal-Loaded Silica Aerogels. ACS Applied Materials & Interfaces, 2018, 10, 32304-32312.	4.0	12
22	From Nanoparticle Assembly to Monolithic Aerogels of YAG, Rare Earth Fluorides, and Composites. Chemistry of Materials, 2018, 30, 5460-5467.	3.2	13
23	Two-Photon Fluorescence and Magnetic Resonance Specific Imaging of AÎ ² Amyloid Using Hybrid Nano-GdF ₃ Contrast Media. ACS Applied Bio Materials, 2018, 1, 462-472.	2.3	24
24	Single gold bipyramids on a silanized substrate as robust plasmonic sensors for liquid environments. Nanoscale, 2018, 10, 16094-16101.	2.8	10
25	Antimicrobial activity of printed composite TiO2/SiO2 and TiO2/SiO2/Au thin films under UVA-LED and natural solar radiation. Applied Catalysis B: Environmental, 2018, 239, 609-618.	10.8	38
26	Gold NanoBipyramids Performing as Highly Sensitive Dual-Modal Optical Immunosensors. Analytical Chemistry, 2018, 90, 8567-8575.	3.2	43
27	Controlled surface modification of gold nanostructures with functionalized silicon polymers. Journal of Sol-Gel Science and Technology, 2017, 81, 147-153.	1.1	6
28	Efficient reverse saturable absorption of sol-gel hybrid plasmonic glasses. Optical Materials, 2017, 69, 134-140.	1.7	3
29	Hierarchically structured lithium titanate for ultrafast charging in long-life high capacity batteries. Nature Communications, 2017, 8, 15636.	5.8	117
30	Two-photon controlled sol–gel condensation for the microfabrication of silica based microstructures. The role of photoacids and photobases. RSC Advances, 2017, 7, 46615-46620.	1.7	9
31	Highly luminescent YAG:Ce ultra-small nanocrystals, from stable dispersions to thin films. Journal of Materials Chemistry C, 2017, 5, 12561-12570.	2.7	22
32	Long Distance Enhancement of Nonlinear Optical Properties Using Low Concentration of Plasmonic Nanostructures in Dye Doped Monolithic Sol–Gel Materials. Advanced Functional Materials, 2016, 26, 6005-6014.	7.8	26
33	Photocatalytic activity of TiO2 films immobilized on aluminum foam by atomic layer deposition technique. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 328, 16-23.	2.0	33
34	Optical Properties of Hybrid Organicâ€Inorganic Materials and their Applications. Advanced Functional Materials, 2016, 26, 6506-6544.	7.8	207
35	Enhanced photocatalytic activity through insertion of plasmonic nanostructures into porous TiO2/SiO2 hybrid composite films. Journal of Catalysis, 2016, 342, 117-124.	3.1	21
36	Fluorescent gold nanoparticles with chain-end grafted RAFT copolymers: influence of the polymer molecular weight and type of chromophore. Polymer Chemistry, 2016, 7, 6812-6825.	1.9	8

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37	TiO2/SiO2 porous composite thin films: Role of TiO2 areal loading and modification with gold nanospheres on the photocatalytic activity. Applied Surface Science, 2016, 383, 367-374.	3.1	23
38	Hybrid sol–gel porous nanocomposites as efficient photocatalytic coatings: Insights in the structure/reactivity relationships. Applied Catalysis B: Environmental, 2015, 176-177, 472-479.	10.8	4
39	The intrinsic luminescence of individual plasmonic nanostructures in aqueous suspension by photon time-of-flight spectroscopy. Nanoscale, 2015, 7, 9013-9024.	2.8	11
40	Sharp gold based hybrid nanoprobes for cell imaging through dark-field microscopy. Proceedings of SPIE, 2015, , .	0.8	0
41	From gold nanobipyramids to nanojavelins for a precise tuning of the plasmon resonance to the infrared wavelengths: experimental and theoretical aspects. Nanoscale, 2015, 7, 1934-1943.	2.8	121
42	Dispersion and self-orientation of gold nanoparticles in sol–gel hybrid silica – optical transmission properties. Journal of Materials Chemistry C, 2015, 3, 1026-1034.	2.7	34
43	Mechanically stable and photocatalytically active TiO ₂ /SiO ₂ hybrid films on flexible organic substrates. Journal of Materials Chemistry A, 2014, 2, 20096-20104.	5.2	39
44	Ultrabright and bleaching-resistant hybrid gold nanoparticles for confocal and two-photon fluorecence imaging. Proceedings of SPIE, 2014, , .	0.8	0
45	Plasmonic bipyramids for fluorescence enhancement and protection against photobleaching. Nanoscale, 2014, 6, 5138.	2.8	29
46	Efficient hybrid materials for optical power limiting at telecommunication wavelengths. Journal of Materials Chemistry C, 2014, 2, 5105.	2.7	37
47	WO ₃ Nanorods Created by Self-Assembly of Highly Crystalline Nanowires under Hydrothermal Conditions. Langmuir, 2014, 30, 10487-10492.	1.6	56
48	Optoelectronic properties of p-i-n heterojunctions based on germanium nanocrystals. Journal of Applied Physics, 2013, 114, .	1.1	1
49	Tuning Dye-to-Particle Interactions toward Luminescent Gold Nanostars. Langmuir, 2013, 29, 10915-10921.	1.6	28
50	Nanocarriers with ultrahigh chromophore loading for fluorescence bio-imaging and photodynamic therapy. Biomaterials, 2013, 34, 8344-8351.	5.7	58
51	Enhanced fluorescence of isophorone derivatives in DNA based materials. Optical Materials, 2013, 35, 1810-1816.	1.7	16
52	Biocompatible well-defined chromophore–polymer conjugates for photodynamic therapy and two-photon imaging. Polymer Chemistry, 2013, 4, 61-67.	1.9	38
53	In Vivo Efficacy of Enabling Formulations Based on Hydroxypropyl-Î ² -Cyclodextrins, Micellar Preparation, and Liposomes for the Lipophilic Cannabinoid CB2 Agonist, MDA7. Journal of Pharmaceutical Sciences, 2013, 102, 352-364.	1.6	12
54	Influence of the embedding matrix on optical properties of Ge nanocrystals-based nanocomposite. Journal of Applied Physics, 2013, 113, .	1.1	11

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55	Two-photon excited luminescence of lanthanide complex in monolithic sol–gel hybrid material. Journal of Luminescence, 2013, 133, 175-179.	1.5	3
56	Symmetry loss of heptamethine cyanines: an example of dipole generation by ion-pairing effect. , 2013, , .		1
57	Structural properties of Ge nanocrystals synthesized by a PVD nanocluster source. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	5
58	Silica Hybrid Sol–Gel Materials with Unusually High Concentration of Pt–Organic Molecular Guests: Studies of Luminescence and Nonlinear Absorption of Light. ACS Applied Materials & Interfaces, 2012, 4, 2369-2377.	4.0	42
59	Synthesis of PEGylated gold nanostars and bipyramids for intracellular uptake. Nanotechnology, 2012, 23, 465602.	1.3	58
60	Synthesis, electron tomography and single-particle optical response of twisted gold nano-bipyramids. Nanotechnology, 2012, 23, 145707.	1.3	54
61	Cation binding by thiacalixthianthrenes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2012, 73, 135-139.	1.6	9
62	Transparent Plasmonic Nanocontainers Protect Organic Fluorophores against Photobleaching. Nano Letters, 2011, 11, 2043-2047.	4.5	53
63	Rare Earth Fluoride Nanoparticles Obtained Using Charge Transfer Complexes: A Versatile and Efficient Route toward Colloidal Suspensions and Monolithic Transparent Xerogels. Langmuir, 2011, 27, 5555-5561.	1.6	23
64	Photodynamic therapy and two-photon bio-imaging applications of hydrophobic chromophores through amphiphilic polymer delivery. Photochemical and Photobiological Sciences, 2011, 10, 1216-1225.	1.6	74
65	Synthesis and optical properties of dyes encapsulated in gold hollow nanoshells. Optical Materials, 2011, 33, 1377-1381.	1.7	13
66	Ellipsoporosimetry and thermoporometry analyses of mesoporous titania film containing silver nanoparticles. Microporous and Mesoporous Materials, 2011, 139, 52-58.	2.2	10
67	Multifunctional hybrid nanoparticles for two-photon fluorescence imaging and photodynamic therapy. Proceedings of SPIE, 2011, , .	0.8	Ο
68	Generation of an ordered layer of silver nanoparticles in mesostructured dielectric films. Journal of Nanoparticle Research, 2010, 12, 1073-1082.	0.8	17
69	Chemical Growth and Photochromism of Silver Nanoparticles into a Mesoporous Titania Template. Langmuir, 2010, 26, 1199-1206.	1.6	56
70	Electroless Growth of Silver Nanoparticles into Mesostructured Silica Block Copolymer Films. Langmuir, 2010, 26, 8729-8736.	1.6	34
71	Growth Mechanisms and Kinetics of Photoinduced Silver Nanoparticles in Mesostructured Hybrid Silica Films under UV and Visible Illumination. Journal of Physical Chemistry C, 2010, 114, 8679-8687.	1.5	23
72	Gold hollow spheres obtained using an innovative emulsion process: towards multifunctional Au nanoshells. Nanotechnology, 2009, 20, 355603.	1.3	18

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73	Preparation of Functional Hybrid Glass Material from Platinum (II) Complexes for Broadband Nonlinear Absorption of Light. Advanced Functional Materials, 2009, 19, 235-241.	7.8	56
74	Growth of ordered silver nanoparticles in silica film mesostructured with a triblock copolymer PEO–PPO–PEO. Journal of Solid State Chemistry, 2009, 182, 1700-1707.	1.4	45
75	Silver nanoparticles growth in a mesoporous silica film templated with the F127 triblock copolymer. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 325, 86-92.	2.3	24
76	Insights into the reactivity of thiacalix[2]thianthrenes: synthesis and structural studies of sulfoxide and sulfone derivatives. Tetrahedron, 2007, 63, 10809-10816.	1.0	9
77	The first approach to a new family of macrocycles: synthesis and characterization of thiacalix[2]thianthrenes. Tetrahedron Letters, 2007, 48, 5401-5405.	0.7	24
78	Tetra- and Decanuclear Iron(II) Complexes of Thiacalixarene Macrocycles: Synthesis, Structure, Mössbauer Spectroscopy and Magnetic Properties. European Journal of Inorganic Chemistry, 2006, 2006, 357-365.	1.0	68
79	Hybrid materials for optical limiting applications. , 2006, 6401, 67.		1
80	Influence of Sr/Hf ratio and annealing treatment on structural and scintillating properties of sol–gel Ce3+-doped strontium hafnate powders. Optical Materials, 2005, 27, 1541-1546.	1.7	31
81	Structural characterizations and waveguiding properties of YAG thin films obtained by different sol–gel processes. Optical Materials, 2005, 27, 1471-1479.	1.7	31
82	Hybrid materials for nonlinear absorption. , 2005, 5934, 24.		0
83	Tetranuclear Manganese(II) Complexes of Thiacalixarene Macrocycles with Trigonal Prismatic Six-Coordinate Geometries:  Synthesis, Structure, and Magnetic Properties. Inorganic Chemistry, 2005, 44, 9112-9120.	1.9	95
84	Which alternative to the pyrocarbon interphase in ceramic matrix composites?. European Journal of Control, 2005, 30, 609-620.	1.6	5
85	Hybrid materials for Optical Limiting. Materials Research Society Symposia Proceedings, 2004, 847, 274.	0.1	1
86	Preparation and characterization of sol-gel-derived YAG optical planar waveguide. , 2004, 5250, 581.		1
87	Preparation of Powders and Films of NiAl2O4Spinel from a Structurally Characterized Molecular Precursor, NiAl2(acac)4(OiPr)4. Journal of Sol-Gel Science and Technology, 2004, 31, 63-66.	1.1	7
88	A New Elaboration Route by Sol-Gel Process for Cerium Doped SrHfO3Films and Powders. Journal of Sol-Gel Science and Technology, 2004, 31, 277-281.	1.1	24
89	Recent Advances in the Functionalizations of the Upper Rims of Thiacalix[4]arenes. ChemInform, 2004, 35, no.	0.1	0
90	Elaboration, structural characterization and optical properties of the yttrium alkoxide derived Y2O3 planar optical waveguides. Optical Materials, 2004, 27, 21-27.	1.7	17

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91	The formylation of the upper-rims of thiacalixarenes: synthesis of the first tetra-formylated and the first meta-substituted thiacalix[4]arenes. Tetrahedron Letters, 2004, 45, 6329-6331.	0.7	19
92	Purposeful construction versus self-assembly in approaches to single source precursors of spinel materials. Synthesis, structure and stability studies of MiiAl2(acac)3(OiPr)4(OAc), Mii= Mn, Co, Zn ? a new class of heterometallic heteroleptic alkoxide complexes. Journal of Materials Chemistry, 2004, 14, 3150.	6.7	30
93	Powders and dense thin films of late transition metal oxide nanocomposites from structurally characterized single-source precursorsElectronic supplementary information (ESI) available: further figures and crystallographic details. See http://www.rsc.org/suppdata/jm/b3/b306282a/. Journal of Materials Chemistry. 2004. 14. 344.	6.7	28
94	Recent Advances in the Functionalizations of the Upper Rims of Thiacalix[4]arenes. A Review. Collection of Czechoslovak Chemical Communications, 2004, 69, 966-983.	1.0	30
95	The Structure of the Pyridine Complex of p-tetrakis(phenylazo)-tetra-hydroxythiacalix[4]arene. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2003, 46, 15-17.	1.6	2
96	New Sol-Gel Route for Processing of PMN Thin Films. Journal of Sol-Gel Science and Technology, 2003, 26, 1109-1112.	1.1	3
97	Title is missing!. Journal of Sol-Gel Science and Technology, 2003, 26, 803-806.	1.1	18
98	Sol-gel preparation and thermo-mechanical properties of porous xAl2O3–ySiO2 coatings on SiC Hi-Nicalon fibres. Journal of the European Ceramic Society, 2003, 23, 1207-1213.	2.8	23
99	Design and synthesis of multifunctional thiacalixarenes and related metal derivatives for the preparation of sol–gel hybrid materials with non-linear optical properties. Dalton Transactions, 2003, 2085-2092. Interaction of some divalent metal acetylacetonates with Al, Ti, Nb and Ta isopropoxides. Factors	1.6	57
100	supplementary information (ESI) available: synthesis details for 5â€"7; microanalysis data for 1â€"9; tables of selected bond lengths and angles for 1â€"5 and 7â€"9; variable temperature 1H NMR spectra for 7 and 8; UV-Vis spectrum of 6 in toluene after various times. See http://www.rsc.org/suppdata/dt/b2/b206662a/.	1.6	54
101	Dalton Transactions, 2003, , 544-550. Sol-gel Elaboration of Porous Oxide Coatings as Interphase in SiC/SiC Ceramic Matrix Composites. Materials Research Society Symposia Proceedings, 2003, 775, 3241.	0.1	0
102	Sol-gel Nanohybrid Materials Incorporating Functional Thiacalixarenes for Non-Linear Optical Applications. Materials Research Society Symposia Proceedings, 2003, 771, 7161.	0.1	9
103	Nitration of thiacalix[4]arene using nitrosium nitrate complexes: synthesis and characterization of tetranitro-, tetraamino-, and tetra(4-pyridylimino)tetrahydroxythiacalix[4]arene. New Journal of Chemistry, 2002, 26, 651-655.	1.4	43
104	Insights in the sol–gel processing of Pb(Mg1/3Nb2/3)O3. The synthesis and crown structure of a new lead magnesium cluster: Pb6Mg12(μ-OAc)6(μ2,η2-OAc)18(μ3,η2-OC2H4OPri)12. Inorganic Chemistry Communication, 2002, 5, 316-318.	1.8	6
105	Title is missing!. Journal of Materials Chemistry, 2001, 11, 3014-3017.	6.7	29
106	Crystal structure of tris[oxo-bis(2,4-pentanedionato)tin(IV)], [SnO(acac)2]3. Zeitschrift Fur Kristallographie - New Crystal Structures, 2001, 216, 305-306.	0.1	1
107	Oxidative stress and eicosanoids in the kidneys of hyperglycemic rats treated with dehydroepiandrosterone. Free Radical Biology and Medicine, 2001, 31, 935-942.	1.3	27
108	NT2 neurons, a classical model for Alzheimer's disease, are highly susceptible to oxidative stress. NeuroReport, 2000, 11, 1865-1869.	0.6	21

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109	Tin dioxide thin films from Sn(IV) modified alkoxides—synthesis and structural characterization of Sn(OEt)2(η2-acac)2 and Sn4(μ3-O)2(μ2-OEt)4(OEt)6(η2-acac)2. Polyhedron, 2000, 19, 2069-2075.	1.0	33
110	Oxidative derangement in rat synaptosomes induced by hyperglycaemia: restorative effect of dehydroepiandrosterone treatment. Biochemical Pharmacology, 2000, 60, 389-395.	2.0	82
111	Dehydroepiandrosterone prevents oxidative injury induced by transient ischemia/reperfusion in the brain of diabetic rats. Diabetes, 2000, 49, 1924-1931.	0.3	116
112	Dehydroepiandrosterone protects tissues of streptozotocin-treated rats against oxidative stress. Free Radical Biology and Medicine, 1999, 26, 1467-1474.	1.3	106
113	Oxygen free radical scavenger properties of dehydroepiandrosterone. , 1998, 16, 57-63.		42
114	Synthesis and molecular structure of Bi4Ba4(μ44-O)2(μ3-OEt)8(μ-OEt)4(η2-thd)4 (Hthdâ€=â€2,2,6,6-tetramethylheptane-3,5-dione). An example of the formulation of a mixed-metal alkoxide assisted by dioxygen. Journal of the Chemical Society Dalton Transactions, 1998, , 737-740.	1.1	25
115	The quest for mixed-metal oxide precursors based on bismuth: synthesis and molecular structure of BiTi2(μ3-O)(μ-OPri)4(OPri)5 and [Bi2(μ-OPri)2(OPri)2(acac)2]â^ž (acacâ€=â€acetylacetonate) â€. Jou Chemical Society Dalton Transactions, 1997, , 4631-4636.	rmal of the	51
116	Bi4Ti3O12 Thin Films from Mixed Bismuth-Titanium Alkoxides. Journal of Sol-Gel Science and Technology, 1997, 8, 759-763.	1.1	2
117	Bi4Ti3O12 thin films from mixed bismuth-titanium alkoxides. Journal of Sol-Gel Science and Technology, 1997, 8, 759-763.	1.1	11
118	Mixed-Metal Bismuth-Titanium Species. Chemical Routes to Bi4Ti3O12. Materials Research Society Symposia Proceedings, 1994, 346, 285.	0.1	3