

# Bernard Humbert

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

872  
citations

516215

16  
h-index

476904

29  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1707  
citing authors

#	ARTICLE	IF	CITATIONS
1	A tris-oxovanadium pyrogallate complex: synthesis, structure, and magnetic and electronic properties. Dalton Transactions, 2021, 50, 13399-13406.	1.6	0
2	<i>In vitro</i> digestion of food grade TiO <sub>2</sub> (E171) and TiO <sub>2</sub> nanoparticles: physicochemical characterization and impact on the activity of digestive enzymes. Food and Function, 2021, 12, 5975-5988.	2.1	13
3	Linear chains of Ag nanoparticles embedded in dielectric films for SERS applications in analytical chemistry. Nanoscale Advances, 2021, 3, 6719-6727.	2.2	5
4	Improving the rate of the copper-catalyzed Henry reaction by surface plasmon excitation of gold nanoparticles. Catalysis Science and Technology, 2021, 11, 7875-7885.	2.1	0
5	Investigation of copper oxidation states in plasmonic nanomaterials by XAS and Raman spectroscopy. Physical Chemistry Chemical Physics, 2020, 22, 2193-2199.	1.3	7
6	Silica based ionogels: interface effects with aprotic and protic ionic liquids with lithium. Physical Chemistry Chemical Physics, 2020, 22, 24051-24058.	1.3	6
7	Surface Modification of Au Nanoparticles with Heteroleptic Cu(I) Diimine Complexes. Journal of Physical Chemistry C, 2020, 124, 11902-11912.	1.5	5
8	Nanoscale Spatial Resolution in Far-Field Raman Imaging Using Hyperspectral Unmixing in Combination with Positivity Constrained Super-Resolution. Applied Spectroscopy, 2020, 74, 780-790.	1.2	4
9	Lamellar nanoporous gold thin films with tunable porosity for ultrasensitive SERS detection in liquid and gas phase. Nanoscale, 2020, 12, 12602-12612.	2.8	14
10	Atomic Force Microscopy Nanomanipulation by Confocal Raman Multiwavelength Spectroscopy: Application at the Monitoring of Resonance Profile Excitation Changes of Manipulated Carbon Nanotube. Journal of Physical Chemistry C, 2020, 124, 2705-2711.	1.5	2
11	Functionalized core-shell Ag@TiO <sub>2</sub> nanoparticles for enhanced Raman spectroscopy: a sensitive detection method for Cu(II) ions. Physical Chemistry Chemical Physics, 2019, 21, 3066-3072.	1.3	21
12	AFM-Nano Manipulation of Plasmonic Molecules Used as "Nano-Lens" to Enhance Raman of Individual Nano-Objects. Materials, 2019, 12, 1372.	1.3	16
13	Sub-Micron Spatial Resolution in Far-Field Raman Imaging Using Positivity-Constrained Super-Resolution. Applied Spectroscopy, 2019, 73, 902-909.	1.2	6
14	Vectorial method used to monitor an evolving system: Titanium oxide thin films under UV illumination. Applied Surface Science, 2018, 447, 528-534.	3.1	1
15	Evaluation of the content of TiO <sub>2</sub> nanoparticles in the coatings of chewing gums. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2018, 35, 211-221.	1.1	32
16	Plasmonic properties of an Ag@Ag <sub>2</sub> Mo <sub>2</sub> O <sub>7</sub> hybrid nanostructure easily designed by solid-state photodeposition from very thin Ag <sub>2</sub> Mo <sub>2</sub> O <sub>7</sub> nanowires. Journal of Materials Chemistry C, 2018, 6, 11086-11095.	2.7	8
17	Criteria to define a more relevant reference sample of titanium dioxide in the context of food: a multiscale approach. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2017, 34, 1-13.	1.1	36
18	Silica nanofibers as a new drug delivery system: a study of the protein-silica interactions. Journal of Materials Chemistry B, 2017, 5, 2908-2920.	2.9	25

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19	Voltammetry of Microparticles and in situ microRaman measurements under potentiostatic conditions. I. Spectroelectrochemical behaviour of Prussian blue, PbO and Bi <sub>2</sub> O <sub>3</sub> . <i>Electrochimica Acta</i> , 2017, 257, 128-137.	2.6	4
20	Electrical behavior of nickel/carbon nanocomposite thin films. <i>Carbon</i> , 2017, 111, 878-886.	5.4	4
21	Galvanic Replacement Reaction: A Route to Highly Ordered Bimetallic Nanotubes. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17652-17659.	1.5	52
22	Facile route to gold-graphene electrodes by exfoliation of natural graphite under electrochemical conditions. <i>Carbon</i> , 2016, 107, 823-830.	5.4	8
23	Radiolytic corrosion of uranium dioxide induced by He <sup>2+</sup> localized irradiation of water: Role of the produced H <sub>2</sub> O <sub>2</sub> distance. <i>Journal of Nuclear Materials</i> , 2015, 467, 832-839.	1.3	3
24	Photochromic Organic Nanoparticles as Innovative Platforms for Plasmonic Nanoassemblies. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 1932-1942.	4.0	24
25	Dirac Cones in two-dimensional conjugated polymer networks. <i>Nature Communications</i> , 2014, 5, 5842.	5.8	69
26	Radiolytic Corrosion of Uranium Dioxide: Role of Molecular Species. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1071-1080.	1.5	14
27	Interactions between phospholipids and titanium dioxide particles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 150-157.	2.5	30
28	A step towards controlled-diameter single walled carbon nanotubes. <i>Carbon</i> , 2014, 67, 753-765.	5.4	4
29	Band Gap Engineering via Edge-Functionalization of Graphene Nanoribbons. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26790-26796.	1.5	78
30	Stable hydrogenated graphene edge types: Normal and reconstructed Klein edges. <i>Physical Review B</i> , 2013, 88, .	1.1	55
31	Color Control in Coaxial Two-Luminophore Nanowires. <i>ACS Nano</i> , 2013, 7, 2977-2987.	7.3	53
32	Alpha localized radiolysis and corrosion mechanisms at the iron/water interface: Role of molecular species. <i>Journal of Nuclear Materials</i> , 2013, 433, 124-131.	1.3	6
33	Chemisorbed nickel catalyst for the production of SWCNTs with a very narrow size distribution. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2581-2585.	0.7	0
34	Hydrolysis of Uranyl(VI) in Acidic and Basic Aqueous Solutions Using a Noncomplexing Organic Base: A Multivariate Spectroscopic and Statistical Study. <i>Inorganic Chemistry</i> , 2011, 50, 2811-2823.	1.9	62
35	Ripple edge engineering of graphene nanoribbons. <i>Physical Review B</i> , 2011, 84, .	1.1	40
36	Accurate Raman characterization of reaction products at the surface of (bio)oxidized pyrite. <i>American Mineralogist</i> , 2010, 95, 1730-1740.	0.9	6

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37	Interaction of U(VI) with pyrite, galena and their mixtures: a theoretical and multitechnique approach. <i>Radiochimica Acta</i> , 2006, 94, 657-663.	0.5	18
38	Hydration of a Synthetic Clay with Tetrahedral Charges: A Multidisciplinary Experimental and Numerical Study. <i>Journal of Physical Chemistry B</i> , 2005, 109, 23745-23759.	1.2	88
39	Near-field Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 1999, 30, 833-840.	1.2	31
40	Titanium Dioxide as Food Additive. , 0, , .		22