

# Robertino Pilot

## List of Publications by Year in descending order

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38  
papers

2,733  
citations

394421

19  
h-index

377865

34  
g-index

38  
all docs

38  
docs citations

38  
times ranked

4750  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface plasmon resonance in gold nanoparticles: a review. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 203002.	1.8	1,184
2	A Review on Surface-Enhanced Raman Scattering. <i>Biosensors</i> , 2019, 9, 57.	4.7	545
3	Nitrogen and sulfur doped mesoporous carbon as metal-free electrocatalysts for the in situ production of hydrogen peroxide. <i>Carbon</i> , 2015, 95, 949-963.	10.3	252
4	SERS detection of food contaminants by means of portable Raman instruments. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 954-981.	2.5	73
5	Oxidation effects on the SERS response of silver nanoprism arrays. <i>RSC Advances</i> , 2017, 7, 369-378.	3.6	55
6	Chemical and Electrochemical Stability of Nitrogen and Sulphur Doped Mesoporous Carbons. <i>Electrochimica Acta</i> , 2016, 197, 251-262.	5.2	53
7	Laser generated gold nanocorals with broadband plasmon absorption for photothermal applications. <i>Nanoscale</i> , 2015, 7, 13702-13714.	5.6	49
8	Silver Nanoparticle Arrays on a DVD-Derived Template: An easy&cheap SERS Substrate. <i>Plasmonics</i> , 2011, 6, 725-733.	3.4	41
9	Photoinduced electron-transfer in peryleneimide triphenylamine-based dendrimers: single photon timing and femtosecond transient absorption spectroscopy. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 597-604.	2.9	40
10	SERS Properties of Gold Nanorods at Resonance with Molecular, Transverse, and Longitudinal Plasmon Excitations. <i>Plasmonics</i> , 2014, 9, 581-593.	3.4	36
11	Platinum-free electrocatalysts for oxygen reduction reaction: Fe-Nx modified mesoporous carbon prepared from biosources. <i>Journal of Power Sources</i> , 2018, 402, 434-446.	7.8	36
12	Photophysical study of photoinduced electron transfer in a bis-thiophene substituted peryleneimide. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 61-68.	2.9	34
13	Switching of the fluorescence emission of single molecules between the locally excited and charge transfer states. <i>Chemical Physics Letters</i> , 2005, 401, 503-508.	2.6	33
14	Far- and near-field properties of gold nanoshells studied by photoacoustic and surface-enhanced Raman spectroscopies. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 21190-21197.	2.8	30
15	Safe core-satellite magneto-plasmonic nanostructures for efficient targeting and photothermal treatment of tumor cells. <i>Nanoscale</i> , 2018, 10, 976-984.	5.6	30
16	Photophysical Study of Electron-Transfer and Energy-Hopping Processes in First-Generation Mono- and Multichromophoric Triphenylamine Core Dendrimers. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10721-10731.	2.6	24
17	Understanding lead iodide perovskite hysteresis and degradation causes by extensive electrical characterization. <i>Solar Energy Materials and Solar Cells</i> , 2019, 189, 43-52.	6.2	24
18	Nitrogen and Sulfur Doped Mesoporous Carbons, Prepared from Templating Silica, as Interesting Material for Supercapacitors. <i>ChemistrySelect</i> , 2017, 2, 7082-7090.	1.5	23

#	ARTICLE	IF	CITATIONS
19	Growth and optical properties of silver nanostructures obtained on connected anodic aluminum oxide templates. <i>Nanotechnology</i> , 2012, 23, 325604.	2.6	19
20	Wavelength dispersion of the local field intensity in silver-gold nanocages. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7355-7365.	2.8	18
21	Design, fabrication and characterization of plasmonic gratings for SERS. <i>Microelectronic Engineering</i> , 2011, 88, 2717-2720.	2.4	16
22	Kinetically Stable Nonequilibrium Gold-Cobalt Alloy Nanoparticles with Magnetic and Plasmonic Properties Obtained by Laser Ablation in Liquid. <i>ChemPhysChem</i> , 2021, 22, 657-664.	2.1	15
23	Validation of SERS enhancement factor measurements. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 462-471.	2.5	15
24	Insights into the Gelation Mechanism of Metal-Coordinated Hydrogels by Paramagnetic NMR Spectroscopy and Molecular Dynamics. <i>Macromolecules</i> , 2022, 55, 450-461.	4.8	14
25	Surface-Enhanced Raman Spectroscopy: Principles, Substrates, and Applications. , 2018, , 89-164.		13
26	Silver nanoparticle aggregates: Wavelength dependence of their SERS properties in the first transparency window of biological tissues. <i>Chemical Physics Impact</i> , 2021, 2, 100014.	3.5	9
27	Au-Ag Alloy Nanocorals with Optimal Broadband Absorption for Sunlight-Driven Thermoplasmonic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 28924-28935.	8.0	9
28	Nitrogen-Doped Mesoporous Carbon Electrodes Prepared from Templating Propylamine-Functionalized Silica. <i>ChemElectroChem</i> , 2020, 7, 1914-1921.	3.4	8
29	Fullerene functionalized gold nanoparticles for optical limiting of continuous wave lasers. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1.	2.2	7
30	Contactless Temperature Sensing at the Microscale Based on Titanium Dioxide Raman Thermometry. <i>Biosensors</i> , 2021, 11, 102.	4.7	7
31	Large freestanding 2D covalent organic framework nanofilms exhibiting high strength and stiffness. <i>Materials Today Chemistry</i> , 2022, 26, 101007.	3.5	7
32	In Silico Stark Effect: Determination of Excited-State Polarizabilities of Squaraine Dyes. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1587-1596.	2.5	5
33	Nonlinear Infrared and Optical Responses of a Holstein-Peirls-Hubbard Dimer. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19082-19089.	2.6	4
34	Holstein-Peirls-Hubbard trimer as a model for quadrupolar two-photon absorbing dyes. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 230-239.	2.8	2
35	Hybrid Sol-Gel Surface-Enhanced Raman Sensor for Xylene Detection in Solution. <i>Sensors</i> , 2021, 21, 7912.	3.8	2
36	Biocompatible Temperature nanosensors based on Titanium dioxide. , 2020, 60, .		1

#	ARTICLE	IF	CITATIONS
37	Multiphoton absorption in polydiacetylenes adsorbed on metal nanostructures. Proceedings of SPIE, 2010, , .	0.8	0
38	Titanium Dioxide as bio-sensor for local temperature detection. , 2021, , .		0