

Santiago Sanchez-Cortes

List of Publications by Year
in descending order

Source: <https://exaly.com/author-pdf/2912911/publications.pdf>

Version: 2024-02-01

227
papers

8,723
citations

38742
50
h-index

62596
80
g-index

231
all docs

231
docs citations

231
times ranked

9086
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface-enhanced Raman scattering on colloidal nanostructures. <i>Advances in Colloid and Interface Science</i> , 2005, 116, 45-61.	14.7	265
2	Comparative Study of the Morphology, Aggregation, Adherence to Glass, and Surface-Enhanced Raman Scattering Activity of Silver Nanoparticles Prepared by Chemical Reduction of Ag+Using Citrate and Hydroxylamine. <i>Langmuir</i> , 2005, 21, 8546-8553.	3.5	253
3	Mixed Silver/Gold Colloids: A Study of Their Formation, Morphology, and Surface-Enhanced Raman Activity. <i>Langmuir</i> , 2000, 16, 9722-9728.	3.5	247
4	Growth of Silver Colloidal Particles Obtained by Citrate Reduction To Increase the Raman Enhancement Factor. <i>Langmuir</i> , 2001, 17, 574-577.	3.5	204
5	Sensing Polycyclic Aromatic Hydrocarbons with Dithiocarbamate-Functionalized Ag Nanoparticles by Surface-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2009, 81, 953-960.	6.5	176
6	Surface-Enhanced Vibrational Study (SEIR and SERS) of Dithiocarbamate Pesticides on Gold Films. <i>Langmuir</i> , 2001, 17, 1157-1162.	3.5	157
7	Surface-enhanced Raman scattering study of the adsorption of the anthraquinone pigment alizarin on Ag nanoparticles. <i>Journal of Raman Spectroscopy</i> , 2004, 35, 921-927.	2.5	154
8	<i>Capsicum chinensis</i> L. growth and nutraceutical properties are enhanced by biostimulants in a long-term period: chemical and metabolomic approaches. <i>Frontiers in Plant Science</i> , 2014, 5, 375.	3.6	151
9	Micro-Raman spectroscopy applied to depth profiles of carbonates formed in lime mortar. <i>Cement and Concrete Research</i> , 2003, 33, 2063-2068.	11.0	137
10	Nanosensors Based on Viologen Functionalized Silver Nanoparticles: Few Molecules Surface-Enhanced Raman Spectroscopy Detection of Polycyclic Aromatic Hydrocarbons in Interparticle Hot Spots. <i>Analytical Chemistry</i> , 2009, 81, 1418-1425.	6.5	136
11	Sensitive Surface-Enhanced Raman Spectroscopy (SERS) Detection of Organochlorine Pesticides by Alkyl Dithiol-Functionalized Metal Nanoparticles-Induced Plasmonic Hot Spots. <i>Analytical Chemistry</i> , 2015, 87, 663-669.	6.5	135
12	Silver Nanostars with High SERS Performance. <i>Journal of Physical Chemistry C</i> , 2013, 117, 7791-7795.	3.1	125
13	Selective Molecular Recognition of Polycyclic Aromatic Hydrocarbons (PAHs) on Calix[4]arene-Functionalized Ag Nanoparticles by Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry B</i> , 2004, 108, 17484-17490.	2.6	124
14	Morphological Study of Silver Colloids Employed in Surface-Enhanced Raman Spectroscopy: Activation when Exciting in Visible and Near-Infrared Regions. <i>Journal of Colloid and Interface Science</i> , 1995, 175, 358-368.	9.4	121
15	Adsorption and Chemical Modification of Phenols on a Silver Surface. <i>Journal of Colloid and Interface Science</i> , 2000, 231, 98-106.	9.4	115
16	Functionalization of Ag Nanoparticles with Dithiocarbamate Calix[4]arene As an Effective Supramolecular Host for the Surface-Enhanced Raman Scattering Detection of Polycyclic Aromatic Hydrocarbons. <i>Langmuir</i> , 2006, 22, 10924-10926.	3.5	115
17	Effect of pH on the chemical modification of quercetin and structurally related flavonoids characterized by optical (UV-visible and Raman) spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12802-12811.	2.8	115
18	Comparative SERS effectiveness of silver nanoparticles prepared by different methods: A study of the enhancement factor and the interfacial properties. <i>Journal of Colloid and Interface Science</i> , 2008, 326, 103-109.	9.4	111

#	ARTICLE	IF	CITATIONS
19	Strong influence of buffer layer type on carbon nanotube characteristics. Carbon, 2004, 42, 187-190.	10.3	105
20	Surface-enhanced Raman scattering study of the anthraquinone red pigment carminic acid. Vibrational Spectroscopy, 2006, 40, 161-167.	2.2	98
21	Surface-enhanced Raman scattering of flavonoids. Journal of Raman Spectroscopy, 2006, 37, 1239-1241.	2.5	95
22	Infrared, Raman, and Nuclear Magnetic Resonance (1H, 13C, and 31P) Spectroscopy in the Study of Fractions of Peat Humic Acids. Applied Spectroscopy, 1996, 50, 1165-1174.	2.2	92
23	Raman and surface-enhanced Raman spectroscopy of dithiocarbamate fungicides. Vibrational Spectroscopy, 1998, 17, 133-144.	2.2	88
24	Extractionless non-hydrolysis surface-enhanced Raman spectroscopic detection of historical mordant dyes on textile fibers. Journal of Raman Spectroscopy, 2010, 41, 1455-1461.	2.5	85
25	Catechol polymerization in the presence of silver surface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 176, 177-184.	4.7	84
26	Stabilization of all-trans-lycopene from tomato by encapsulation using cyclodextrins. Food Chemistry, 2007, 105, 1335-1341.	8.2	81
27	Anomalous Raman bands appearing in surface-enhanced Raman spectra. Journal of Raman Spectroscopy, 1998, 29, 365-371.	2.5	80
28	In situ detection of flavonoids in weld-dyed wool and silk textiles by surface-enhanced Raman scattering. Journal of Raman Spectroscopy, 2008, 39, 1309-1312.	2.5	80
29	Spectroscopic and molecular modeling studies on the binding of the flavonoid luteolin and human serum albumin. Biopolymers, 2009, 91, 917-927.	2.4	80
30	Morphological Study of Metal Colloids Employed as Substrate in the SERS Spectroscopy. Journal of Colloid and Interface Science, 1994, 167, 428-436.	9.4	79
31	Antiretrovirally Active Drug Hypericin Binds the IIA Subdomain of Human Serum Albumin: A Resonance Raman and Surface-Enhanced Raman Spectroscopy Study. Journal of the American Chemical Society, 1998, 120, 6374-6379.	13.7	79
32	Adsorption of Polyethyleneimine on Silver Nanoparticles and Its Interaction with a Plasmid DNA: A Surface-Enhanced Raman Scattering Study. Biomacromolecules, 2002, 3, 655-660.	5.4	78
33	Spectroscopic study of humic acids fractionated by means of tangential ultrafiltration. Journal of Molecular Structure, 2002, 609, 137-147.	3.6	76
34	Stability of the Disulfide Bond in Cystine Adsorbed on Silver and Gold Nanoparticles As Evidenced by SERS Data. Journal of Physical Chemistry C, 2013, 117, 1531-1537.	3.1	73
35	SERS of cytosine and its methylated derivatives on metal colloids. Journal of Raman Spectroscopy, 1992, 23, 61-66.	2.5	70
36	pH-Dependent Adsorption of Fractionated Peat Humic Substances on Different Silver Colloids Studied by Surface-Enhanced Raman Spectroscopy. Journal of Colloid and Interface Science, 1998, 198, 308-318.	9.4	69

#	ARTICLE	IF	CITATIONS
37	Adsorption of Beta-Adrenergic Agonists Used in Sport Doping on Metal Nanoparticles: A Detection Study Based on Surface-Enhanced Raman Scattering. <i>Langmuir</i> , 2010, 26, 14663-14670.	3.5	69
38	Raman and surface-enhanced Raman scattering (SERS) investigation of the quercetin interaction with metals: Evidence of structural changing processes in aqueous solution and on metal nanoparticles. <i>Journal of Molecular Structure</i> , 2009, 918, 129-137.	3.6	66
39	SERS and theoretical studies of arginine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 76, 458-463.	3.9	64
40	Multicomponent Direct Detection of Polycyclic Aromatic Hydrocarbons by Surface-Enhanced Raman Spectroscopy Using Silver Nanoparticles Functionalized with the Viologen Host Lucigenin. <i>Analytical Chemistry</i> , 2011, 83, 2518-2525.	6.5	64
41	Identification of the antitumoral drug emodin binding sites in bovine serum albumin by spectroscopic methods. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007, 1774, 1359-1369.	2.3	63
42	Carbon Nanotube Bundles as Molecular Assemblies for the Detection of Polycyclic Aromatic Hydrocarbons: A Surface-Enhanced Resonance Raman Spectroscopy and Theoretical Studies. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6470-6474.	2.6	62
43	Functionalization of Ag nanoparticles with the bis-acridinium lucigenin as a chemical assembler in the detection of persistent organic pollutants by surface-enhanced Raman scattering. <i>Analytica Chimica Acta</i> , 2008, 624, 286-293.	5.4	62
44	Influence of coverage in the surface-enhanced Raman scattering of cytosine and its methyl derivatives on metal colloids: chloride and pH effects. <i>Surface Science</i> , 2001, 473, 133-142.	1.9	61
45	Spectroscopic and pulse radiolysis studies of the antioxidant properties of (+)catechin: metal chelation and oxidizing radical scavenging. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 265-275.	2.5	61
46	Structural characterization of charcoal size-fractions from a burnt Pinus pinea forest by FT-IR, Raman and surface-enhanced Raman spectroscopies. <i>Journal of Molecular Structure</i> , 2011, 994, 155-162.	3.6	59
47	Ag Nanoparticles Prepared by Laser Photoreduction as Substrates for in Situ Surface-Enhanced Raman Scattering Analysis of Dyes. <i>Langmuir</i> , 2007, 23, 5210-5215.	3.5	58
48	Degradation of Curcumin Dye in Aqueous Solution and on Ag Nanoparticles Studied by Ultraviolet-Visible Absorption and Surface-Enhanced Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2006, 60, 1386-1391.	2.2	56
49	Importance of Metal-Adsorbate Interactions for the Surface-enhanced Raman Scattering of Molecules Adsorbed on Plasmonic Nanoparticles. <i>Plasmonics</i> , 2007, 2, 147-156.	3.4	54
50	Study of the Interaction of Pollutant Nitro Polycyclic Aromatic Hydrocarbons with Different Metallic Surfaces by Surface-Enhanced Vibrational Spectroscopy (SERS and SEIR). <i>Journal of Physical Chemistry A</i> , 2003, 107, 9611-9619.	2.5	52
51	Surface-enhanced Raman spectroscopy study of the interaction of the antitumoral drug emodin with human serum albumin. <i>Biopolymers</i> , 2004, 74, 125-130.	2.4	51
52	Detection and quantitative analysis of carbendazim herbicide on Ag nanoparticles via surface-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 1095-1101.	2.5	51
53	Spectroscopic Analysis of Pigments and Binding Media of Polychromes by the Combination of Optical Laser-Based and Vibrational Techniques. <i>Applied Spectroscopy</i> , 2001, 55, 992-998.	2.2	50
54	Quantitative estimation of peat, brown coal and lignite humic acids using chemical parameters, 1H-NMR and DTA analyses. <i>Bioresource Technology</i> , 2003, 88, 189-195.	9.6	49

#	ARTICLE	IF	CITATIONS
55	Metal colloids employed in the SERS of biomolecules: activation when exciting in the visible and near-infrared regions. <i>Journal of Molecular Structure</i> , 1997, 405, 13-28.	3.6	48
56	Building Highly Selective Hot Spots in Ag Nanoparticles Using Bifunctional Viologens: Application to the SERS Detection of PAHs. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7527-7530.	3.1	48
57	Hollow Au/Ag nanostars displaying broad plasmonic resonance and high surface-enhanced Raman sensitivity. <i>Nanoscale</i> , 2015, 7, 13629-13637.	5.6	48
58	Coherent scatter-controlled phase-change grating structures in silicon using femtosecond laser pulses. <i>Scientific Reports</i> , 2017, 7, 4594.	3.3	48
59	SPECTROSCOPIC CHARACTERIZATION OF SOIL ORGANIC MATTER IN LONG-TERM AMENDMENT TRIALS. <i>Soil Science</i> , 2000, 165, 495-504.	0.9	48
60	Characterization of Peat Fulvic Acid Fractions by Means of FT-IR, SERS, and ¹ H, ¹³ C NMR Spectroscopy. <i>Applied Spectroscopy</i> , 1998, 52, 270-277.	2.2	47
61	Vibrational study of the salicylate interaction with metallic ions and surfaces. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2000, 56, 2471-2477.	3.9	45
62	Self-assembly of a dithiocarbamate calix[4]arene on Ag nanoparticles and its application in the fabrication of surface-enhanced Raman scattering based nanosensors. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 1787.	2.8	45
63	Specific Interactions of Antiretrovirally Active Drug Hypericin with DNA As Studied by Surface-Enhanced Resonance Raman Spectroscopy. <i>The Journal of Physical Chemistry</i> , 1996, 100, 1938-1944.	2.9	44
64	Spectroscopic study (DRIFT, SERS and ¹ H NMR) of peat, leonardite and lignite humic substances. <i>Journal of Molecular Structure</i> , 2001, 565-566, 481-485.	3.6	44
65	Femtosecond laser-controlled self-assembly of amorphous-crystalline nanogratings in silicon. <i>Nanotechnology</i> , 2016, 27, 265602.	2.6	44
66	Pulsed Laser Deposited Au Nanoparticles as Substrates for Surface-Enhanced Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8149-8152.	3.1	43
67	Degree of functionalization of carbon nanofibers with benzenesulfonic groups in an acid medium. <i>Carbon</i> , 2007, 45, 1669-1678.	10.3	43
68	Humic acids as molecular assemblers in the surface-enhanced Raman scattering detection of polycyclic aromatic hydrocarbons. <i>Vibrational Spectroscopy</i> , 2008, 46, 77-81.	2.2	43
69	Encapsulation and isomerization of curcumin with cyclodextrins characterized by electronic and vibrational spectroscopy. <i>Vibrational Spectroscopy</i> , 2012, 62, 292-298.	2.2	43
70	Surface-enhanced resonance raman spectroscopy of hypericin and emodin on silver colloids: SERRS and NIR FTSERS study. <i>Biospectroscopy</i> , 1995, 1, 265-273.	0.6	42
71	The influence of pH and anions on the adsorption mechanism of rifampicin on silver colloids. <i>Journal of Raman Spectroscopy</i> , 2007, 38, 859-864.	2.5	42
72	Morphological tuning of plasmonic silver nanostars by controlling the nanoparticle growth mechanism: Application in the SERS detection of the amyloid marker Congo Red. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 535, 49-60.	4.7	42

#	ARTICLE	IF	CITATIONS
73	Spectroscopic identification of alizarin in a mixture of organic red dyes by incorporation in Zr-Ormosil. <i>Journal of Raman Spectroscopy</i> , 2005, 36, 420-426.	2.5	41
74	Interaction of the Antitumor Drug 9-Aminoacridine with Guanidinobenzoate Studied by Spectroscopic Methods: A Possible Tumor Marker Probe Based on the Fluorescence Exciplex Emission. <i>Biochemistry</i> , 2000, 39, 10557-10565.	2.5	40
75	Surface-Enhanced Raman of 1,5-Dimethylcytosine Adsorbed on a Silver Electrode and Different Metal Colloids: Effect of Charge Transfer Mechanism. <i>Langmuir</i> , 2000, 16, 764-770.	3.5	40
76	Surface-Enhanced Micro-Raman Detection and Characterization of Calix[4]Arene Polycyclic Aromatic Hydrocarbon Host-Guest Complexes. <i>Applied Spectroscopy</i> , 2005, 59, 1009-1015.	2.2	40
77	Adsorption and Detection of Sport Doping Drugs on Metallic Plasmonic Nanoparticles of Different Morphology. <i>Langmuir</i> , 2012, 28, 8891-8901.	3.5	40
78	Photoinduced coupling and adsorption of caffeic acid on silver surface studied by surface-enhanced Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1999, 55, 2935-2941.	3.9	37
79	Disulfide linkage Raman markers: a reconsideration attempt. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 657-664.	2.5	37
80	Adsorption of carbendazim pesticide on plasmonic nanoparticles studied by surface-enhanced Raman scattering. <i>Journal of Colloid and Interface Science</i> , 2016, 465, 183-189.	9.4	37
81	Surface-enhanced Raman and fluorescence joint analysis of soil humic acids. <i>Analytica Chimica Acta</i> , 2008, 616, 69-77.	5.4	36
82	SERS of cytosine and its methylated derivatives on gold sols. <i>Journal of Raman Spectroscopy</i> , 1995, 26, 149-154.	2.5	35
83	Interaction of Hypericin with Serum Albumins: Surface-enhanced Raman Spectroscopy, Resonance Raman Spectroscopy and Molecular Modeling Study. <i>Photochemistry and Photobiology</i> , 2001, 74, 172.	2.5	35
84	Surface-Enhanced Fluorescence and Raman Scattering Study of Antitumoral Drug Hypericin: An Effect of Aggregation and Self-Spacing Depending on pH. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12974-12980.	3.1	35
85	Surface Plasmon Effects on the Binding of Antitumoral Drug Emodin to Bovine Serum Albumin. <i>Journal of Physical Chemistry C</i> , 2011, 115, 12419-12429.	3.1	35
86	Surface-enhanced Raman spectra of dimethoate and omethoate. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 980-985.	2.5	35
87	Surface-enhanced Raman spectroscopy of 1,5-dimethylcytosine on silver and copper sols. <i>Journal of Raman Spectroscopy</i> , 1990, 21, 679-682.	2.5	34
88	The nature of black stains in Lascaux Cave, France, as revealed by surface-enhanced Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 464-467.	2.5	34
89	Surface Enhanced Vibrational (IR and Raman) Spectroscopy in the Design of Chemosensors Based on Ester Functionalized p-tert-Butylcalix[4]arene Hosts. <i>Langmuir</i> , 2005, 21, 11814-11820.	3.5	33
90	Interaction of soil humic acids with herbicide paraquat analyzed by surface-enhanced Raman scattering and fluorescence spectroscopy on silver plasmonic nanoparticles. <i>Analytica Chimica Acta</i> , 2011, 699, 87-95.	5.4	33

#	ARTICLE	IF	CITATIONS
91	Spectroscopic Characterization of Pyrophosphate Incorporation during Extraction of Peat Humic Acids. <i>Soil Science Society of America Journal</i> , 1998, 62, 181-187.	2.2	32
92	Vibrational analysis of herbicide diquat: A normal Raman and SERS study on Ag nanoparticles. <i>Vibrational Spectroscopy</i> , 2008, 48, 58-64.	2.2	32
93	Stabilization of curcumin against photodegradation by encapsulation in gamma-cyclodextrin: A study based on chromatographic and spectroscopic (Raman and UV-Vis) data. <i>Vibrational Spectroscopy</i> , 2015, 81, 106-111.	2.2	32
94	Effects of Two Protein Hydrolysates Obtained From Chickpea (<i>Cicer arietinum</i> L.) and <i>Spirulina platensis</i> on <i>Zea mays</i> (L.) Plants. <i>Frontiers in Plant Science</i> , 2019, 10, 954.	3.6	32
95	FT Surface-Enhanced Raman Evidence of the Oxidative Condensation Reactions of Caffeic Acid in Solution and on Silver Surface. <i>Applied Spectroscopy</i> , 2000, 54, 230-238.	2.2	30
96	SERS of AMP on different silver colloids. <i>Journal of Molecular Structure</i> , 1992, 274, 33-45.	3.6	28
97	Non-invasive micro Raman, SERS and visible reflectance analyses of coloring materials in ancient Moroccan Islamic manuscripts. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 114-120.	2.5	28
98	Structure of melanins from the fungi <i>Ochroconis lascauxensis</i> and <i>Ochroconis anomala</i> contaminating rock art in the Lascaux Cave. <i>Scientific Reports</i> , 2017, 7, 13441.	3.3	28
99	Adsorption of acridine drugs on silver: surface-enhanced resonance Raman evidence of the existence of different adsorption sites. <i>Vibrational Spectroscopy</i> , 2001, 25, 19-28.	2.2	27
100	Effectiveness of antigrffiti treatments in connection with penetration depth determined by different techniques. <i>Journal of Cultural Heritage</i> , 2010, 11, 297-303.	3.3	27
101	Effect of wavelength on the laser cleaning of polychromes on wood. <i>Journal of Cultural Heritage</i> , 2003, 4, 243-249.	3.3	26
102	Adsorption and acidic behavior of anthraquinone drugs quinizarin and danthron on Ag nanoparticles studied by Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2004, 34, 273-281.	2.2	26
103	Possibilities of monitoring the polymerization process of silicon-based water repellents and consolidants in stones through infrared and Raman spectroscopy. <i>Progress in Organic Coatings</i> , 2008, 63, 5-12.	3.9	26
104	Self-assembly of 1,2-alkylaliphatic diamines on Ag nanoparticles as an effective localized surface plasmon nanosensor based in interparticle hot spots. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7363.	2.8	26
105	Near infrared surface-enhanced Raman spectroscopic study of antiretroviral drugs hypericin and emodin in aqueous silver colloids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1997, 53, 769-779.	3.9	25
106	Fluorescence and surface-enhanced Raman study of 9-aminoacridine in relation to its aggregation and excimer emission in aqueous solution and on silver surface. , 1998, 4, 327-339.		25
107	Raman and surface-enhanced Raman study of insecticide cyromazine. <i>Vibrational Spectroscopy</i> , 2001, 25, 91-99.	2.2	25
108	Adsorption of linear aliphatic 1,2-alkyl-dithiols on plasmonic metal nanoparticles: a structural study based on surface-enhanced Raman spectra. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 11461-11470.	2.8	25

#	ARTICLE	IF	CITATIONS
109	Vibrational Study (Raman, SERS, and IR) of Plant Gallnut Polyphenols Related to the Fabrication of Iron Gall Inks. <i>Molecules</i> , 2022, 27, 279.	3.8	25
110	Surface-enhanced Raman spectroscopy of β -aminobutyric acid on silver colloid surfaces. <i>Biospectroscopy</i> , 1997, 3, 449-455.	0.6	24
111	Raman structural study of thymine and its 2'-deoxy-ribosyl derivatives in solid state, aqueous solution and when adsorbed on silver nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 1943-1948.	2.8	24
112	Adsorption mechanism and acidic behavior of naphthazarin on Ag nanoparticles studied by Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2002, 30, 203-212.	2.2	24
113	Joint application of micro-Raman and surface-enhanced Raman spectroscopy to the interaction study of the antitumoral anthraquinone drugs danthron and quinizarin with albumins. <i>Journal of Raman Spectroscopy</i> , 2004, 35, 384-389.	2.5	24
114	Fabrication of Ag nanoparticles by β -irradiation: Application to surface-enhanced Raman spectroscopy of fungicides. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 339, 60-67.	4.7	24
115	Adsorption of oligopeptides on silver nanoparticles: surface-enhanced Raman scattering and theoretical studies. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1149-1155.	2.5	24
116	Trace detection of aminoglutethimide drug by surface-enhanced Raman spectroscopy: a vibrational and adsorption study on gold nanoparticles. <i>Analytical Methods</i> , 2011, 3, 1540.	2.7	24
117	Surface-enhanced Raman scattering and theoretical studies of the C-terminal peptide of the β -subunit human chorionic gonadotropin without linked carbohydrates. <i>Biopolymers</i> , 2011, 95, 135-143.	2.4	24
118	Cucurbit[8]uril-stabilized charge transfer complexes with diquat driven by pH: a SERS study. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4935.	2.8	24
119	Interaction of antitumoral 9-aminoacridine drug with DNA and dextran sulfate studied by fluorescence and surface-enhanced Raman spectroscopy. <i>Biopolymers</i> , 2003, 72, 174-184.	2.4	23
120	New insights on the Au core/Pt shell nanoparticle structure in the sub-monolayer range: SERS as a surface analyzing tool. <i>Chemical Communications</i> , 2011, 47, 3174.	4.1	23
121	Vibrational characterization and surface-enhanced Raman scattering detection of probenecid doping drug. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1422-1427.	2.5	22
122	Adsorption Study and Detection of the High Performance Organic Pigments Quinacridone and 2,9-Dimethylquinacridone on Ag Nanoparticles By Surface-Enhanced Optical Spectroscopy. <i>Langmuir</i> , 2014, 30, 753-761.	3.5	22
123	Tuning charge-transfer processes in the surface-enhanced Raman scattering of L-phenylglycine adsorbed on silver nanostructures. <i>Chemical Physics Letters</i> , 2007, 446, 380-384.	2.6	21
124	β -Aliphatic Diamines as Molecular Linkers for Engineering Ag Nanoparticle Clusters: Tuning of the Interparticle Distance and Sensing Application. <i>Plasmonics</i> , 2010, 5, 273-286.	3.4	21
125	Surface-enhanced Raman spectroscopic study of 9-ethylguanine and related compounds on silver and copper colloids. <i>Vibrational Spectroscopy</i> , 1993, 4, 185-192.	2.2	20
126	SERS of Guanine and its Alkyl Derivatives on Gold Sols. <i>Journal of Raman Spectroscopy</i> , 1996, 27, 533-537.	2.5	20

#	ARTICLE	IF	CITATIONS
127	Interaction of the Photosensitizer Hypericin with Low-Density Lipoproteins and Phosphatidylcholine: A Surface-Enhanced Raman Scattering and Surface-Enhanced Fluorescence Study. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7147-7154.	3.1	20
128	Structural characterization of humic-like substances with conventional and surface-enhanced spectroscopic techniques. <i>Journal of Molecular Structure</i> , 2010, 982, 169-175.	3.6	20
129	Trace Detection of Triphenylene by Surface Enhanced Raman Spectroscopy Using Functionalized Silver Nanoparticles with Bis-Acrinium Lucigenine. <i>Langmuir</i> , 2010, 26, 6977-6981.	3.5	20
130	Adsorption and catalysis of flavonoid quercetin on different plasmonic metal nanoparticles monitored by SERS. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1913-1919.	2.5	20
131	Concentration-Controlled Formation of Myoglobin/Gold Nanosphere Aggregates. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5082-5092.	2.6	20
132	Catalytic effects of silver plasmonic nanoparticles on the redox reaction leading to ABTS TM formation studied using UV-visible and Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 26562-26571.	2.8	20
133	Surface-Enhanced Raman Spectroscopy of Chernozem Humic Acid and Their Fractions Obtained by Coupled Size Exclusion Chromatography-Polyacrylamide Gel Electrophoresis (SEC-PAGE). <i>Applied Spectroscopy</i> , 2006, 60, 48-53.	2.2	19
134	Surface-enhanced Raman scattering study of the interaction of red dye alizarin with ovalbumin. <i>Biopolymers</i> , 2006, 82, 405-409.	2.4	19
135	Linking Ag Nanoparticles by Aliphatic \pm , \bar{I} %-Dithiols: A Study of the Aggregation and Formation of Interparticle Hot Spots. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16203-16212.	3.1	19
136	Application of surface-enhanced resonance Raman scattering (SERS) to the study of organic functional materials: electronic structure and charge transfer properties of 9,10-bis((E)-2-(pyridin-4-yl)vinyl)anthracene. <i>RSC Advances</i> , 2019, 9, 14511-14519.	3.6	19
137	Aggregation of antitumoral drug emodin on Ag nanoparticles: SEF, SERS and fluorescence lifetime experiments. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 8342.	2.8	18
138	Trans-cis isomerisation of the carotenoid lycopene upon complexation with cholesteric polyester carriers investigated by Raman spectroscopy and density functional theory. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1170-1177.	2.5	18
139	Fabrication of amorphous micro-ring arrays in crystalline silicon using ultrashort laser pulses. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	18
140	Interaction of Antimalarial Drug Quinacrine with Nucleic Acids of Variable Sequence Studied by Spectroscopic Methods. <i>Journal of Biomolecular Structure and Dynamics</i> , 2000, 18, 371-383.	3.5	17
141	Adsorption of lucigenin on Ag nanoparticles studied by surface-enhanced Raman spectroscopy: effect of different anions on the intensification of Raman spectra. <i>Journal of Raman Spectroscopy</i> , 2003, 34, 227-233.	2.5	17
142	Adsorption and Detection of Amyloid Marker Thioflavin T on Ag Nanoparticles by Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3996-4005.	3.1	17
143	Assessment of a multi-technical non-invasive approach for the typology of inks, dyes and pigments in two 19th century's ancient manuscripts of Morocco. <i>Vibrational Spectroscopy</i> , 2014, 74, 47-56.	2.2	17
144	Anchoring Sites of Fibrillogenic Peptide Hormone Somatostatin-14 on Plasmonic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8273-8279.	3.1	17

#	ARTICLE	IF	CITATIONS
145	Tryptophan Tight Binding to Gold Nanoparticles Induces Drastic Changes in Indole Ring Raman Markers. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13034-13046.	3.1	17
146	Nanostructure and Micromechanical Properties of Silica/Silicon Oxycarbide Porous Composites. <i>Journal of the American Ceramic Society</i> , 2004, 87, 2093-2100.	3.8	16
147	Reflection-absorption IR and surface-enhanced IR spectroscopy of tetracarboethoxy t-butyl-calix[4]arene, as a host molecule with potential applications in sensor devices. <i>Vibrational Spectroscopy</i> , 2007, 43, 358-365.	2.2	16
148	Ultrathin silver-coated gold nanoparticles as suitable substrate for surface-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 508-515.	2.5	16
149	Vanadyl naphthalocyanine and vanadyl porphine phenyl substituted macrocycles: SERS and thin film organisation studies. <i>Vibrational Spectroscopy</i> , 2001, 26, 201-214.	2.2	15
150	Interactions of cytidine derivatives with metals as revealed by surface-enhanced Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 1991, 22, 819-824.	2.5	14
151	FT-Raman, FTIR and surface-enhanced Raman spectroscopy of the antiviral and antiparkinsonian drug amantadine. <i>Vibrational Spectroscopy</i> , 1999, 20, 179-188.	2.2	14
152	Plasmonic Effects of Phenylenediisocyanides Linked at Interparticle Junctions of Metal Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015, 119, 599-609.	3.1	14
153	Chocolate composition and its crystallization process: A multidisciplinary analysis. <i>Food Chemistry</i> , 2021, 342, 128301.	8.2	14
154	Surface-Enhanced Raman Spectroscopy for Bisphenols Detection: Toward a Better Understanding of the Analyte-Nanosystem Interactions. <i>Nanomaterials</i> , 2021, 11, 881.	4.1	14
155	Study of the adsorption and electrochemical reduction of lucigenin on Ag electrodes by surface-enhanced Raman spectroscopy. <i>Journal of Electroanalytical Chemistry</i> , 2003, 556, 83-92.	3.8	13
156	Sensitive on the fiber detection of synthetic organic dyes by laser photoinduced plasmonic Ag nanoparticles. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 925-934.	2.5	13
157	Analysis of biomolecules in cochineal dyed archaeological textiles by surface-enhanced Raman spectroscopy. <i>Scientific Reports</i> , 2021, 11, 6560.	3.3	13
158	Catalytic modification of gallic acid on a silver surface studied by surface-enhanced Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2001, 32, 143-145.	2.5	12
159	Conformational study of AZT in aqueous solution and adsorbed on a silver surface by means of Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2002, 33, 6-9.	2.5	12
160	In situ assessment of carbon nanotube diameter distribution with photoelectron spectroscopy. <i>Physical Review B</i> , 2005, 71, .	3.2	12
161	Effect of Metal-Liquid Interface Composition on the Adsorption of a Cyanine Dye onto Gold Nanoparticles. <i>Langmuir</i> , 2013, 29, 1139-1147.	3.5	12
162	The adsorption of rifampicin on gold or silver surfaces mediated by 2-mercaptoethanol investigated by surface-enhanced Raman scattering spectroscopy. <i>Vibrational Spectroscopy</i> , 2016, 86, 75-80.	2.2	12

#	ARTICLE	IF	CITATIONS
163	Abiotic degradation of s-triazine pesticides analyzed by surface-enhanced Raman scattering. Journal of Raman Spectroscopy, 2020, 51, 264-273.	2.5	12
164	Label-Free Detection and Self-Aggregation of Amyloid β -Peptides Based on Plasmonic Effects Induced by Ag Nanoparticles: Implications in Alzheimer's Disease Diagnosis. ACS Applied Nano Materials, 2021, 4, 3565-3575.	5.0	12
165	Chemical Characterization and Molecular Dynamics Simulations of Bufotenine by Surface-Enhanced Raman Scattering (SERS) and Density Functional Theory (DFT). Journal of Physical Chemistry Letters, 2022, 13, 5831-5837.	4.6	12
166	Large size citrate-reduced gold colloids appear as optimal SERS substrates for cationic peptides. Journal of Raman Spectroscopy, 2017, 48, 30-37.	2.5	11
167	Stimulated Adsorption of Humic Acids on Capped Plasmonic Ag Nanoparticles Investigated by Surface-Enhanced Optical Techniques. Langmuir, 2019, 35, 4518-4526.	3.5	11
168	Study of the azo-hydrazone tautomerism of Acid Orange 20 by spectroscopic techniques: UV-Visible, Raman, and surface-enhanced Raman scattering. Journal of Raman Spectroscopy, 2020, 51, 1295-1304.	2.5	11
169	Vibrational study of the interaction of dinaphthalenic Ni(II) and Cu(II) azamacrocyclic complexes methyl and phenyl substituted with different metal surfaces. Vibrational Spectroscopy, 2002, 28, 287-297.	2.2	10
170	Solution SERS of an insoluble synthetic organic pigment-quinacridone quinone-employing calixarenes as dispersive cavities. Chemical Communications, 2011, 47, 1854-1856.	4.1	10
171	Plasmon Enhanced Spectroscopy of N,N' -Dialkylquinacridones Used as Codopants in OLEDs. Journal of Physical Chemistry C, 2011, 115, 16838-16843.	3.1	10
172	Detection and aggregation of the antitumor drug parietin in ethanol/water mixture and on plasmonic metal nanoparticles studied by surface-enhanced optical spectroscopy: Effect of pH and ethanol concentration. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 159, 134-140.	3.9	10
173	Interaction of Antiviral and Antitumor Photoactive Drug Hypocrellin A with Human Serum Albumin. Journal of Biomolecular Structure and Dynamics, 1999, 17, 111-120.	3.5	9
174	CONFORMATIONAL ANALYSIS AND MOLECULAR MODELING OF CHOLESTERIC LIQUID CRYSTAL POLYESTERS BASED ON XRD, RAMAN, AND TRANSITION THERMAL ANALYSIS. Journal of Macromolecular Science - Physics, 2001, 40, 553-576.	1.0	9
175	Characterization of Soil Organic Carbon in Long-Term Amendment Trials. Spectroscopy Letters, 2005, 38, 283-291.	1.0	9
176	Vibrational characterization of self-assembling oligopeptides for tissue engineering on TiO ₂ surfaces. Journal of Molecular Structure, 2009, 924-926, 120-126.	3.6	9
177	Adsorption of the anthraquinone drug parietin on silver nanoparticles: A SERS and fluorescence study. Vibrational Spectroscopy, 2012, 63, 477-484.	2.2	9
178	From bulk to plasmonic nanoparticle surfaces: the behavior of two potent therapeutic peptides, octreotide and pasireotide. Physical Chemistry Chemical Physics, 2016, 18, 24437-24450.	2.8	9
179	Cucurbit[n]urils ($n=6-8$) used as host molecules on supramolecular complexes formed with two different drugs: Emodin and indomethacin. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 557, 66-75.	4.7	9
180	Analysis of the tautomeric equilibrium of two red monoazo dyes by UV-Visible, Raman and SERS spectroscopies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 261, 120007.	3.9	9

#	ARTICLE	IF	CITATIONS
181	Surface-enhanced vibrational study of azabipiridyl and its Co(II), Ni(II) and Cu(II) complexes. <i>Vibrational Spectroscopy</i> , 2001, 27, 15-27.	2.2	8
182	Surface-enhanced infrared absorption of DMIP on gold-germanium substrates coated by self-assembled monolayers. <i>Journal of Molecular Structure</i> , 2003, 661-662, 419-427.	3.6	8
183	Vibrational study of sub-2,3-boronaphthalocyanine chlorine adsorbed on metal surfaces. <i>Vibrational Spectroscopy</i> , 2003, 32, 155-166.	2.2	8
184	Influence of the preparation conditions of erbium-doped bismuth germanate glasses on its optical response. <i>Journal of Non-Crystalline Solids</i> , 2016, 445-446, 110-115.	3.1	8
185	Chitosan-based improved stability of gold nanoparticles for the study of adsorption of dyes using SERS. <i>Vibrational Spectroscopy</i> , 2016, 87, 8-13.	2.2	8
186	Surface enhanced Raman scattering and quantum-mechanical calculations on self-assembling oligopeptides. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 982-996.	2.5	8
187	Characterization of HPC-based photoreduced SERS substrates and detection of different organic dyes. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1288-1300.	2.5	8
188	SERS detection of prometryn herbicide based on its optimized adsorption on Ag nanoparticles. <i>Vibrational Spectroscopy</i> , 2021, 114, 103245.	2.2	8
189	Interaction of S-methyl methanethiosulfonate with DPPC bilayer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 479-489.	3.9	7
190	Dynamical Behavior of Somatostatin-14 and Its Cyclic Analogues as Analyzed in Bulk and on Plasmonic Silver Nanoparticles. <i>Advances in Protein Chemistry and Structural Biology</i> , 2018, 112, 81-121.	2.3	7
191	Building hot spots in different plasmonic nanoparticles from a cruciform bifunctional dipyrindine anthracene. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 847-855.	2.5	7
192	Surface-enhanced Raman and steady fluorescence study of interaction between antitumoral drug 9-aminoacridine and trypsin-like protease related to metastasis processes, guanidinobenzoate. <i>Biopolymers</i> , 2001, 62, 85-94.	2.4	6
193	Adsorption of a Cholesteric Liquid Crystal Polyester on Silver Nanoparticles Studied by Surface-Enhanced Raman Scattering and Micro Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2004, 58, 562-569.	2.2	6
194	Interaction of Hypericin with Serum Albumins: Surface-enhanced Raman Spectroscopy, Resonance Raman Spectroscopy and Molecular Modeling Study. <i>Photochemistry and Photobiology</i> , 2001, 74, 172-183.	2.5	6
195	SERS+MEF of the anti-tumoral drug emodin adsorbed on silver nanoparticles. <i>Proceedings of SPIE</i> , 2010, , .	0.8	6
196	Electrochemical SERS study on a copper electrode of the insoluble organic pigment quinacridone quinone using ionic liquids (BMIMCl and TBAN) as dispersing agents. <i>Analyst</i> , 2013, 138, 4670.	3.5	6
197	Probing Plasmonic Effects on the Raman Activity of Ag Nanoparticle-Based Nanostructures through Terphenyl Diisocyanide Adsorption. <i>Journal of Physical Chemistry C</i> , 2014, 118, 4680-4686.	3.1	6
198	Intramolecular and Metal-to-Molecule Charge Transfer Electronic Resonances in the Surface-Enhanced Raman Scattering of 1,4-Bis((E)-2-(pyridin-4-yl)vinyl)naphthalene. <i>Molecules</i> , 2019, 24, 4622.	3.8	6

#	ARTICLE	IF	CITATIONS
199	Influence of the growth conditions on the magnetism of SrFe ₁₂ O ₁₉ thin films and the behavior of Co/SrFe ₁₂ O ₁₉ bilayers. Journal Physics D: Applied Physics, 2020, 53, 344002.	2.8	6
200	Sensing Atrazine Herbicide Degradation Products through Their Interactions with Humic Substances by Surface-Enhanced Raman Scattering. Chemosensors, 2021, 9, 148.	3.6	6
201	Structural characterization of a third-generation commercial cement superplasticizer by Raman spectroscopy and DFT calculations. Journal of Raman Spectroscopy, 2012, 43, 1623-1629.	2.5	5
202	SERS Investigation on Oligopeptides Used as Biomimetic Coatings for Medical Devices. Biomolecules, 2021, 11, 959.	4.0	5
203	Excitation profiles of the surface enhanced raman spectroscopy bands of 1,5-dimethylcytosine on silver colloids. Biospectroscopy, 1996, 2, 243-248.	0.6	4
204	Surface-enhanced resonance Raman spectroscopy of hypocrellin A: an effect of excitation wavelength and pH. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1998, 54, 1519-1526.	3.9	4
205	Evolution of ordinary Portland cement hydration with admixtures by spectroscopic techniques. Advances in Cement Research, 2006, 18, 111-117.	1.6	4
206	Structural analysis of the neuropeptide substance P by using vibrational spectroscopy. Analytical and Bioanalytical Chemistry, 2019, 411, 7419-7430.	3.7	4
207	Synthesis, characterization and surface enhanced Raman spectroscopy study of a new family of different substituted cruciform molecular systems deposited on gold nanoparticles. Journal of Raman Spectroscopy, 2021, 52, 959-970.	2.5	4
208	SERS study on the aggregation mechanisms resulting from the orientation of dipyrindinic derivatives on gold nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 264, 120286.	3.9	4
209	Increasing the sensitivity of surface-enhanced Raman scattering detection for triazine pesticides by taking advantage of interactions with soil humic substances. Journal of Raman Spectroscopy, 2022, 53, 40-48.	2.5	4
210	A Raman, SERS and UV-circular dichroism spectroscopic study of N-acetyl-L-cysteine in aqueous solutions. New Journal of Chemistry, 2019, 43, 15201-15212.	2.8	3
211	Disorder-to-Order Markers of a Cyclic Hexapeptide Inspired from the Binding Site of Fertilin β^2 Involved in Fertilization Process. ACS Omega, 2019, 4, 18049-18060.	3.5	3
212	Surface-Enhanced Raman Spectroscopy-and Surface-Enhanced Infrared Absorption-Based Molecular Sensors. ACS Symposium Series, 2007, , 138-151.	0.5	2
213	Silver nanoparticles active as surface-enhanced Raman scattering substrates prepared by high energy irradiation. Vibrational Spectroscopy, 2011, , .	2.2	2
214	Nonenzymatic Hydrolysis of Acetylthiocholine by Silver Nanoparticles. Journal of Physical Chemistry C, 2019, 123, 2378-2385.	3.1	1
215	Carminic Acid Based Red Dye from Scale Insects Detected in Red Ruby-Crowned Kinglet Feathers by Surface-Enhanced Raman Scattering. ChemPlusChem, 2021, 86, 1074-1079.	2.8	1
216	Hypericin "an Antiretroviral and Antineoplastic Active Agent:. , 1997, , 377-378.		1

#	ARTICLE	IF	CITATIONS
217	Morphological Study of Silver Colloids Employed in Sers: Activation When Exciting in Visible and Infrared Regions. , 1995, , 29-30.		1
218	Applications of SERS to the study of polypeptide/polynucleotide interactions. , 1993, , 263-264.		0
219	Vibrational Characterization and Surface-Enhanced Raman Scattering Detection of Beta-Agonists used in Sport Doping. , 2010, , .		0
220	Raman spectroscopic study of transfected HEK293T cells. Inmunologia (Barcelona, Spain: 1987), 2012, 31, 115-118.	0.1	0
221	Functionalization of Plasmonic Nanoparticles and Controlled Assembly for High-Surface-Enhanced Raman Scattering Performance and Molecular Detection. , 2018, , 725-733.		0
222	Vibrational Spectra and Normal Coordinate Analysis of 1,5-Dimethylcytosine. , 1993, , 19-20.		0
223	SERS of Guanine and Its Alkyl Derivatives on Gold Sols. , 1995, , 307-308.		0
224	Excitation Profile of 1,5-Dimethylcytosine SERS Bands on Silver Sols. , 1995, , 305-306.		0
225	Surface-Enhanced Raman Spectroscopy of Humic Substances Model Molecules. , 1997, , 613-614.		0
226	Surface-Enhanced Raman Spectroscopy Study of Hypericin-Albumin Interaction. , 1997, , 367-368.		0
227	Amorphous-Crystalline Micro- and Nanostructures in Silicon Fabricated Using Ultrashort Laser Pulses. , 2017, , .		0