

# Jose M Saniger

## List of Publications by Year in descending order

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107  
papers

2,927  
citations

172457

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107  
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107  
docs citations

107  
times ranked

3988  
citing authors

#	ARTICLE	IF	CITATIONS
1	Patterns in Dried Droplets to Detect Unfolded BSA. <i>Sensors</i> , 2022, 22, 1156.	3.8	10
2	Carbon SH-SAW-Based Electronic Nose to Discriminate and Classify Sub-ppm NO <sub>2</sub> . <i>Sensors</i> , 2022, 22, 1261.	3.8	8
3	Graphene-Based Biosensors for Molecular Chronic Inflammatory Disease Biomarker Detection. <i>Biosensors</i> , 2022, 12, 244.	4.7	7
4	Graphenic substrates as modifiers of the emission and vibrational responses of interacting molecules: The case of BODIPY dyes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 119020.	3.9	5
5	SERS characterization of dopamine and <i>in situ</i> dopamine polymerization on silver nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 12158-12170.	2.8	12
6	Three-Dimensional Porous Scaffolds Derived from Bovine Cancellous Bone Matrix Promote Osteoinduction, Osteoconduction, and Osteogenesis. <i>Polymers</i> , 2021, 13, 4390.	4.5	2
7	5-S-cysteinyl-dopamine, a neurotoxic endogenous metabolite of dopamine: Implications for Parkinson's disease. <i>Neurochemistry International</i> , 2019, 129, 104514.	3.8	27
8	The Peptide AmPep1 Derived from Amaranth Recognizes the Replication Hairpin of TYLCV Disturbing Its Replication Process in Host Plants. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 9241-9253.	5.2	2
9	Interaction of 5-S-cysteinyl-dopamine with graphene oxide: an experimental and theoretical study for the detection of a Parkinson's disease biomarker. <i>New Journal of Chemistry</i> , 2019, 43, 15861-15870.	2.8	6
10	Sensitive Raman detection of human recombinant interleukin-6 mediated by DCDR/GERS hybrid platforms. <i>RSC Advances</i> , 2019, 9, 12269-12275.	3.6	16
11	Characterizing the properties of anticancer silibinin and silybin B complexes with UV-Vis, FT-IR, and Raman spectroscopies: A combined experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2019, 1182, 109-118.	3.6	6
12	ZIF Nanocrystal-Based Surface Acoustic Wave (SAW) Electronic Nose to Detect Diabetes in Human Breath. <i>Biosensors</i> , 2019, 9, 4.	4.7	33
13	Synthesis of Silver Colloids with a Homemade Light Source. <i>Journal of Cluster Science</i> , 2018, 29, 719-724.	3.3	11
14	Plasmonic resonances in hybrid systems of aluminum nanostructured arrays and few layer graphene within the UV-IR spectral range. <i>Nanotechnology</i> , 2017, 28, 465704.	2.6	15
15	Magnonic sensor array based on magnetic nanoparticles to detect, discriminate and classify toxic gases. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 497-502.	7.8	37
16	Acoustic Sensors Based on Amino-Functionalized Nanoparticles to Detect Volatile Organic Solvents. <i>Sensors</i> , 2017, 17, 2624.	3.8	8
17	Structural Changes of Amyloid Beta in Hippocampus of Rats Exposed to Ozone: A Raman Spectroscopy Study. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 137.	2.9	37
18	Thermal activation process of Au/TiO <sub>2</sub> system: a molecular spectroscopy study. <i>RSC Advances</i> , 2016, 6, 42554-42560.	3.6	1

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19	CuO nanoparticles with PAMAM dendrimers. <i>Journal of Coordination Chemistry</i> , 2016, 69, 1039-1049.	2.2	1
20	Love Wave Gas Sensor based on Surface-functionalized Nanoparticles. <i>Procedia Engineering</i> , 2015, 120, 606-609.	1.2	1
21	A novel ultra-high frequency humidity sensor based on a magnetostatic spin wave oscillator. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 297-301.	7.8	12
22	A magnonic gas sensor based on magnetic nanoparticles. <i>Nanoscale</i> , 2015, 7, 9607-9613.	5.6	50
23	Silicalite-1, an adsorbent for 2-, 3-, and 4-chlorophenols. <i>Water Science and Technology</i> , 2012, 66, 247-253.	2.5	3
24	Is the donor-acceptor electronegativity a good indicator for the surface enhanced Raman scattering (SERS)?. <i>International Journal of Quantum Chemistry</i> , 2012, 112, 3516-3524.	2.0	8
25	Determination of Phase Transition by Principal Component Analysis Applied to Raman Spectra of Polycrystalline BaTiO <sub>3</sub> at Low and High Temperature. <i>Journal of Applied Research and Technology</i> , 2012, 10, .	0.9	9
26	A Crystallization Study of Nanocrystalline PZT 53/47 Granular Arrays Using a Sol-Gel Based Precursor. <i>Journal of Materials Science and Technology</i> , 2011, 27, 489-496.	10.7	5
27	A study on the stability of a PZT precursor solution based on the time evolution of mean particles size and pH. <i>Materials Chemistry and Physics</i> , 2010, 123, 304-308.	4.0	5
28	Synthesis of Silver Nanoparticles by Sonochemical Induced Reduction Application in SERS. <i>Journal of Nano Research</i> , 2010, 9, 77-81.	0.8	13
29	EFFECTS OF Cr <sub>2</sub> O <sub>3</sub> ON STRUCTURAL, DIELECTRIC, AND ELECTRICAL PROPERTIES OF (Pb <sub>0.95</sub> Sr <sub>0.05</sub> )(Zr <sub>0.53</sub> Ti <sub>0.47</sub> )O <sub>3</sub> CERAMICS. <i>International Journal of Modern Physics B</i> , 2009, 23, 4881-4887.	2.0	1
30	Solid-phase assay for the detection of varicella zoster virus. <i>Future Virology</i> , 2009, 4, 543-551.	1.8	5
31	Silver nanoparticles synthesized by direct photoreduction of metal salts. Application in surface-enhanced Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 376-380.	2.5	96
32	Use of recombinant rotavirus VP6 nanotubes as a multifunctional template for the synthesis of nanobiomaterials functionalized with metals. <i>Biotechnology and Bioengineering</i> , 2009, 104, 871-881.	3.3	29
33	The effects of aging and concentration on some interesting Sol-gel parameters: A feasibility study for PZT nanoparticles insertion on in-house prepared PAA matrices via electrophoresis. <i>Journal of Electroceramics</i> , 2009, 22, 136-144.	2.0	6
34	Effect of sintering condition on properties of Cr-doped Pb <sub>0.95</sub> Sr <sub>0.05</sub> (Zr <sub>0.53</sub> Ti <sub>0.47</sub> )O <sub>3</sub> ceramics. <i>Bulletin of Materials Science</i> , 2009, 32, 381-386.	1.7	4
35	Selectivity of the Cd <sup>2+</sup> /Ca <sup>2+</sup> exchange on modified rice hull silica. <i>Environmental Technology (United Kingdom)</i> 2009, 30, 1071-1078.	2.2	1
36	Au <sup>0</sup> /Ir/TiO <sub>2</sub> Prepared by Deposition Precipitation with Urea: Improved Activity and Stability in CO Oxidation. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9710-9720.	3.1	80

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37	Properties of the PLZTN x/54/46 (0.4% x 1.4) ceramic system. <i>Materials Research Bulletin</i> , 2009, 44, 1116-1121.	5.2	4
38	Remanence of the interparticle interactions and its influence on the microwave absorption in Co-ferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, e139-e142.	2.3	11
39	Inclusion of liquid crystalline azo-dyes in nanometric porous anodic aluminas: A comparative morphological and optical study. <i>Dyes and Pigments</i> , 2008, 78, 48-59.	3.7	7
40	Experimental XRD and NMR, and molecular dynamics study of Sr containing LaAlO <sub>3</sub> perovskite. <i>Solid State Ionics</i> , 2008, 178, 1944-1949.	2.7	18
41	Evaluation of SiO <sub>2</sub> Sonogels, Prepared by a New Catalyst-Free Method, as Drug Delivery System. <i>Drug Delivery</i> , 2008, 15, 399-407.	5.7	6
42	On the synthesis and crystallization process of nanocrystalline PZT powders obtained by a hybrid sol-gel alkoxides route. <i>Journal of Alloys and Compounds</i> , 2008, 450, 380-386.	5.5	24
43	Micro-facet solar concentrator. <i>International Journal of Sustainable Energy</i> , 2008, 27, 61-71.	2.4	15
44	Mesoporous silica from rice hull ash. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 614-619.	3.2	22
45	Gold nanoparticles: Support effects for the WGS reaction. <i>Journal of Molecular Catalysis A</i> , 2007, 278, 200-208.	4.8	126
46	Application of principal component analysis and Raman spectroscopy in the analysis of polycrystalline BaTiO <sub>3</sub> at high pressure. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 66, 557-560.	3.9	29
47	Microwave non-resonant absorption in fine cobalt ferrite particles. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e532-e534.	2.3	20
48	Preparation and optical characterization of catalyst free SiO <sub>2</sub> sonogel hybrid materials. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 41, 277-289.	2.4	23
49	Preparation of free-standing Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> nanoparticles by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 42, 145-149.	2.4	17
50	Phototransformation of C <sub>60</sub> Thin Films by UV Pulsed Laser Irradiation: Comparative Photoacoustic, AFM, and Raman Studies. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 1414-1418.	0.9	6
51	New Preparation Method of Gold Nanoparticles on SiO <sub>2</sub> . <i>Journal of Physical Chemistry B</i> , 2006, 110, 8559-8565.	2.6	116
52	SHG-Activity of Polar Nano-Structures of LC-RED-PEGM-7 Based Sono-Gel Hybrid Materials. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 449, 161-177.	0.9	5
53	Crystallization of Zeolites from Organo-Silicic Colloids. <i>Inorganic Chemistry</i> , 2006, 45, 3408-3414.	4.0	9
54	Solid Solution Characterization of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> with Eu <sup>3+</sup> . <i>Ferroelectrics</i> , 2006, 339, 191-199.	0.6	0

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55	LIXÂ®-loaded polymer inclusion membrane for copper(II) transport. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 434, 30-38.	5.6	22
56	Catalyst-free SiO <sub>2</sub> sonogels. <i>Journal of Sol-Gel Science and Technology</i> , 2006, 39, 235-240.	2.4	34
57	Application of principal component analysis to discriminate the Raman spectra of functionalized multiwalled carbon nanotubes. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 1302-1306.	2.5	38
58	Polymerization of C <sub>60</sub> fullerene thin films by UV pulsed laser irradiation. <i>Applied Surface Science</i> , 2005, 248, 243-247.	6.1	26
59	Contact angle studies on anodic porous alumina. <i>Journal of Colloid and Interface Science</i> , 2005, 287, 664-670.	9.4	61
60	One-step synthesis of Mn <sub>3</sub> O <sub>4</sub> nanoparticles: Structural and magnetic study. <i>Journal of Colloid and Interface Science</i> , 2005, 291, 175-180.	9.4	157
61	Stability of interstellar fullerenes under high-dose $\hat{1}^3$ -irradiation: new data. <i>Advances in Space Research</i> , 2005, 36, 173-177.	2.6	4
62	Deposition of Gold Nanoparticles onto Thiol-Functionalized Multiwalled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 16290-16295.	2.6	120
63	Room-temperature synthesis of Mn <sub>3</sub> O <sub>4</sub> nanorods. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 1131-1134.	2.3	20
64	Characterization of PZT (54/46) ferroelectric ceramics under the influence of a $\hat{a}^{\sim}$ soft $\hat{a}^{\sim}$ ™ double modification with La and Nb. <i>Physica Status Solidi (B): Basic Research</i> , 2005, 242, 1892-1896.	1.5	1
65	Local Order in Depolymerized Silicate Lattices. <i>Inorganic Chemistry</i> , 2005, 44, 8486-8494.	4.0	14
66	Activation of CdS nanoparticles by metallic ions and their selective interactions with PAMAM dendrimers. <i>Colloid and Polymer Science</i> , 2004, 282, 957-964.	2.1	8
67	Optical characterization of fullerene films on flat and patterned semiconductor substrates. <i>Carbon</i> , 2004, 42, 1089-1093.	10.3	4
68	Stability of interstellar fullerenes under high-dose $\hat{1}^3$ -irradiation. <i>Advances in Space Research</i> , 2004, 33, 72-75.	2.6	10
69	Spray pyrolysis deposition and characterization of titanium oxide thin films. <i>Materials Chemistry and Physics</i> , 2003, 77, 938-944.	4.0	82
70	Reaction of silica-supported fullerene C <sub>60</sub> with nonylamine vapor. <i>Carbon</i> , 2003, 41, 2339-2346.	10.3	19
71	High energy ion irradiation induced surface roughening in Ag and Cu films. <i>Applied Surface Science</i> , 2003, 206, 178-186.	6.1	7
72	Thermal spikes in Ag/Fe and Cu/Fe ion beam mixing. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003, 100, 297-303.	3.5	13

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73	Photoacoustic Study of Phase Transition in Aurivillius Type Ceramics. <i>Ferroelectrics</i> , 2002, 273, 327-332.	0.6	3
74	Interaction of Oxidized Single-Walled Carbon Nanotubes with Vaporous Aliphatic Amines. <i>Journal of Physical Chemistry B</i> , 2002, 106, 1588-1597.	2.6	117
75	Adsorption Modification of Single-Walled Carbon Nanotubes with Tetraazaannulene Macrocyclic Complexes. <i>Nano Letters</i> , 2002, 2, 1249-1252.	9.1	45
76	Irradiation of Single-Walled Carbon Nanotubes with High-Energy Protons. <i>Nano Letters</i> , 2002, 2, 789-791.	9.1	64
77	Adsorption kinetics of optochemical NH <sub>3</sub> gas sensing with semiconductor polyaniline films. <i>Sensors and Actuators B: Chemical</i> , 2002, 82, 14-23.	7.8	163
78	Direct Amidation of Terminal Carboxylic Groups of Armchair and Zigzag Single-Walled Carbon Nanotubes: A Theoretical Study. <i>Nano Letters</i> , 2001, 1, 657-661.	9.1	30
79	Structure, Thermal Stability, and Deformation of Multibranched Carbon Nanotubes Synthesized by CVD in the AAO Template. <i>Journal of Physical Chemistry B</i> , 2001, 105, 1523-1527.	2.6	110
80	Characterization of anodic porous alumina by AFM. <i>Materials Letters</i> , 2001, 48, 127-136.	2.6	56
81	Dealumination and surface fluorination of H-ZSM-5 by molecular fluorine. <i>Microporous and Mesoporous Materials</i> , 2001, 50, 41-52.	4.4	16
82	Simulation of the infrared spectra of transition aluminas from direct measurement of Al coordination and molecular dynamics. <i>Applied Catalysis A: General</i> , 2001, 215, 91-100.	4.3	17
83	Synthesis of multi branched carbon nanotubes in porous anodic aluminum oxide template. <i>Carbon</i> , 2001, 39, 1709-1715.	10.3	80
84	Reaction of HY Zeolite with Molecular Fluorine. <i>Journal of Catalysis</i> , 2001, 201, 80-88.	6.2	21
85	Polyaniline composite coatings interrogated by a nulling optical-transmittance bridge for sensing low concentrations of ammonia gas. <i>Sensors and Actuators B: Chemical</i> , 2001, 76, 18-24.	7.8	96
86	Photoacoustic analysis of the ferroelectric ceramics specific heat. <i>Applied Physics Letters</i> , 2000, 77, 3087-3089.	3.3	15
87	Thin films of polyaniline-polyacrylic acid composite by chemical bath deposition. <i>Thin Solid Films</i> , 1999, 347, 241-247.	1.8	61
88	Poly(acrylic acid) + zinc diacetate composites: High temperature service and electric conductivity. <i>Materials Research Innovations</i> , 1999, 3, 85-91.	2.3	13
89	A new route to $\hat{1}^3$ -Fe <sub>2</sub> O <sub>3</sub> via an intermediate oxyhydroxide. The reaction of $\hat{1}^{\pm}$ -NaFeO <sub>2</sub> with benzoic acid. <i>Journal of Materials Chemistry</i> , 1999, 9, 227-231.	6.7	10
90	Obtenci3n de PbTiO<sub>3</sub> vAa semillado de geles. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 1999, 38, 435-438.	1.9	2

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91	Caracterización vibracional de piezocomposites metal-cerámica asimétricos. Boletín De La Sociedad Española De Cerámica Y Vidrio, 1999, 38, 503-506.	1.9	0
92	Electrically conducting polyaniline-poly(acrylic acid) blends. Polymer International, 1998, 45, 262-270.	3.1	55
93	Partial fluorination of $\gamma$ -alumina by gaseous fluorine. Journal of Fluorine Chemistry, 1998, 88, 117-125.	1.7	24
94	On the limit to the resolution of photoreflectance techniques for sensing analyte concentration at surfaces. Journal of Optics, 1998, 7, L63-L68.	0.5	1
95	Photoacoustic phase transition of the ceramic BaTiO <sub>3</sub> . Applied Physics Letters, 1998, 73, 623-625.	3.3	20
96	Inclusion of Dy, Ho and Er in B sites of modified lead titanate. Journal of Materials Science Letters, 1997, 16, 1161-1163.	0.5	2
97	Preparation and properties of poly(acrylic acid)-based hybrid compounds. Journal of Applied Polymer Science, 1997, 66, 861-868.	2.6	6
98	Corrosion of a zinc-aluminium-copper alloy by fluorine gas. Materials Letters, 1996, 26, 41-45.	2.6	9
99	Iron oxohydroxide-polyacrylic acid magnetic composite materials. Journal of Magnetism and Magnetic Materials, 1996, 161, L6-L10.	2.3	5
100	Al-O infrared vibrational frequencies of $\gamma$ -alumina. Materials Letters, 1995, 22, 109-113.	2.6	99
101	A study of the fluorine corrosion of the Al-7075 alloy using nuclear techniques. Journal of Nuclear Materials, 1994, 210, 123-129.	2.7	4
102	Deformation behavior of polyacrylic acid-metal oxide composites in water. Materials Letters, 1993, 16, 200-205.	2.6	5
103	Kinetic studies of the dehydration process for polyacrylic acid-metal oxide compounds. Materials Letters, 1992, 15, 113-117.	2.6	8
104	Characterization of the mechanical properties of polyacrylic acid-metal oxide concretes. Materials Letters, 1992, 14, 83-87.	2.6	11
105	Fourier transform infrared spectroscopy studies of the reaction between polyacrylic acid and metal oxides. Materials Letters, 1991, 12, 281-285.	2.6	78
106	The kinetics of aluminum-7075 corrosion by uranium hexafluoride. Corrosion Science, 1990, 30, 903-913.	6.6	8
107	An auger electron spectroscopy study of the fluorination of Al-7075 alloy. Corrosion Science, 1990, 30, 107-112.	6.6	3