

# Felicia S Manciu

## List of Publications by Year in descending order

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38  
papers

719  
citations

567281

15  
h-index

552781

26  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1229  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing Nordihydroguaiaretic Acid Therapeutic Effect for Glioblastoma Multiforme. <i>Sensors</i> , 2022, 22, 2643.	3.8	2
2	Green synthesized superparamagnetic iron oxide nanoparticles for water treatment with alternative recyclability. <i>Journal of Molecular Liquids</i> , 2022, 356, 118983.	4.9	12
3	Electronic Structure, Chemical Bonding, and Electrocatalytic Activity of Ba(Fe <sub>0.7</sub> Ta <sub>0.3</sub> )O <sub>3</sub> Compounds. <i>ACS Applied Energy Materials</i> , 2021, 4, 1313-1322.	5.1	14
4	Assessment of Renal Osteodystrophy via Computational Analysis of Label-free Raman Detection of Multiple Biomarkers. <i>Diagnostics</i> , 2020, 10, 79.	2.6	5
5	Spectroscopic Characterization of the Electronic Structure, Chemical Bonding, and Band Gap in Thermally Annealed Polycrystalline Ga <sub>2</sub> O <sub>3</sub> Thin Films. <i>ECS Journal of Solid State Science and Technology</i> , 2019, 8, Q3249-Q3253.	1.8	20
6	Fabrication of Surfactant-Dispersed HiPco Single-Walled Carbon Nanotube-Based Alginate Hydrogel Composites as Cellular Products. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4802.	4.1	14
7	Simultaneous Detection of Dopamine and Serotonin—A Comparative Experimental and Theoretical Study of Neurotransmitter Interactions. <i>Biosensors</i> , 2019, 9, 3.	4.7	15
8	Analysis of Carbon-Based Microelectrodes for Neurochemical Sensing. <i>Materials</i> , 2019, 12, 3186.	2.9	10
9	Raman Spectroscopic and Microscopic Analysis for Monitoring Renal Osteodystrophy Signatures. <i>Biosensors</i> , 2018, 8, 38.	4.7	7
10	Comparative Computational and Experimental Detection of Adenosine Using Ultrasensitive Surface-Enhanced Raman Spectroscopy. <i>Sensors</i> , 2018, 18, 2696.	3.8	6
11	On the surface tension and Zeta potential of electrolyte solutions. <i>Advances in Colloid and Interface Science</i> , 2017, 244, 90-99.	14.7	35
12	Label-Free Raman Imaging to Monitor Breast Tumor Signatures. <i>Technology in Cancer Research and Treatment</i> , 2017, 16, 461-469.	1.9	17
13	Consequence of oxidation method on graphene oxide produced with different size graphite precursors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 224, 150-157.	3.5	37
14	Raman computational and experimental studies of dopamine molecules on silver nanocolloids. , 2017, , .		3
15	Analysis of Serotonin Molecules on Silver Nanocolloids—A Raman Computational and Experimental Study. <i>Sensors</i> , 2017, 17, 1471.	3.8	9
16	Raman Computational and Experimental Studies of Dopamine Detection. <i>Biosensors</i> , 2017, 7, 43.	4.7	33
17	A Diamond-Based Electrode for Detection of Neurochemicals in the Human Brain. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 102.	2.0	82
18	Raman and Conductivity Analysis of Graphene for Biomedical Applications. <i>Materials</i> , 2016, 9, 897.	2.9	8

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19	Ion-specific effects on surface potential and surface tension of water solutions explained via volume exclusion effects. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 494, 156-161.	4.7	11
20	Spectroscopic, microscopic, and internal stress analysis in cadmium telluride grown by close-space sublimation. <i>Thin Solid Films</i> , 2015, 589, 298-302.	1.8	5
21	Raman Microscopic Analysis of Internal Stress in Boron-Doped Diamond. <i>Materials</i> , 2015, 8, 2782-2793.	2.9	6
22	Radio frequency energy harvesting from a feeding source in a passive deep brain stimulation device for murine preclinical research. <i>Medical Engineering and Physics</i> , 2015, 37, 1020-1026.	1.7	3
23	A Drude model analysis of conductivity and free carriers in boron-doped diamond films and investigations of their internal stress and strain. <i>Journal of Materials Science</i> , 2014, 49, 5782-5789.	3.7	11
24	Detection and Monitoring of Neurotransmitters – A Spectroscopic Analysis. <i>Neuromodulation</i> , 2013, 16, 192-199.	0.8	11
25	Development of Conductive Boron-Doped Diamond Electrode: A microscopic, Spectroscopic, and Voltammetric Study. <i>Materials</i> , 2013, 6, 5726-5741.	2.9	45
26	Comparative microscopic and spectroscopic analysis of temperature-dependent growth of WO <sub>3</sub> and WO <sub>0.95</sub> Ti <sub>0.05</sub> O <sub>3</sub> thin films. <i>Journal of Materials Science</i> , 2012, 47, 6593-6600.	3.7	19
27	The effect of Si/Al ratio and moisture on an organic/inorganic hybrid material: Thioindigo/montmorillonite. <i>Applied Clay Science</i> , 2011, 51, 61-67.	5.2	16
28	Spectroscopic and structural investigations of $\hat{1}\hat{2}$ , $\hat{2}\hat{2}$ , and $\hat{3}\hat{3}$ AlH <sub>3</sub> phases. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 512-516.	2.5	11
29	Spectroscopic study of inhibition of calcium oxalate calculi growth by <i>Larrea tridentata</i> . <i>Journal of Raman Spectroscopy</i> , 2011, 42, 259-264.	2.5	5
30	Spectroscopic analysis of tungsten oxide thin films. <i>Journal of Materials Research</i> , 2010, 25, 2401-2406.	2.6	35
31	Robust megavoltage x-ray spectra estimation from transmission measurements. <i>Journal of X-Ray Science and Technology</i> , 2009, 17, 85-99.	1.0	7
32	Spectroscopic study of l-arginine interaction with potassium dihydrogen phosphate crystals. <i>Journal of Materials Research</i> , 2009, 24, 2316-2320.	2.6	20
33	Flame Synthesis of Multi-walled Carbon Nanotubes Using CH <sub>4</sub> /H <sub>2</sub> Fuel Blends. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2008, 16, 231-246.	2.1	6
34	Organic/inorganic complex pigments: Ancient colors Maya Blue. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 1958-1973.	3.5	84
35	Surfactant-Imposed Interference in the Optical Characterization of GaP Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11622-11625.	2.6	15
36	Thermalizing an impulse. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 299, 551-558.	2.6	52

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37	Possibility of controlled ejection of ferrofluid grains from a magnetically ordered ferrofluid using high frequency non-linear acoustic pulses – a particle dynamical study. Journal of Magnetism and Magnetic Materials, 2000, 220, 285-292.	2.3	8
38	Ejection of ferrofluid grains using nonlinear acoustic impulses – A particle dynamical study. Applied Physics Letters, 1999, 75, 1479-1481.	3.3	20