

# Christos G Kontoyannis

## List of Publications by Year in descending order

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34  
papers

1,214  
citations

471509

17  
h-index

395702

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1733  
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium carbonate phase analysis using XRD and FT-Raman spectroscopy. <i>Analyst, The</i> , 2000, 125, 251-255.	3.5	487
2	Alarm Photosynthesis: Calcium Oxalate Crystals as an Internal CO <sub>2</sub> Source in Plants. <i>Plant Physiology</i> , 2016, 171, 2577-2585.	4.8	97
3	Identification and quantitative determination of atorvastatin calcium polymorph in tablets using FT-Raman spectroscopy. <i>Talanta</i> , 2008, 74, 1066-1070.	5.5	48
4	Detection and quantitative determination of heavy metals in electronic cigarette refill liquids using Total Reflection X-ray Fluorescence Spectrometry. <i>Food and Chemical Toxicology</i> , 2018, 116, 233-237.	3.6	46
5	Use of Raman Spectroscopy for the Quantitative Analysis of Calcium Oxalate Hydrates: Application for the Analysis of Urinary Stones. <i>Applied Spectroscopy</i> , 1997, 51, 64-67.	2.2	41
6	Prevention and inhibition of calcium carbonate scale. <i>Journal of Crystal Growth</i> , 1984, 69, 367-376.	1.5	40
7	Arsonoliposomes, a novel class of arsenic-containing liposomes: effect of palmitoyl-arsenolipid-containing liposomes on the viability of cancer and normal cells in culture. <i>Pharmaceutical Research</i> , 2002, 19, 79-86.	3.5	40
8	Quantitative Analysis of Sulfated Calcium Carbonates Using Raman Spectroscopy and X-ray Powder Diffraction. <i>Analyst, The</i> , 1997, 122, 33-38.	3.5	39
9	Simultaneous determination of allantoin and glycolic acid in snail mucus and cosmetic creams with high performance liquid chromatography and ultraviolet detection. <i>Journal of Chromatography A</i> , 2013, 1322, 49-53.	3.7	39
10	Apolipoprotein A-1 regulates osteoblast and lipoblast precursor cells in mice. <i>Laboratory Investigation</i> , 2016, 96, 763-772.	3.7	37
11	Raman spectroscopy: A tool for the quantitative analysis of mineral components of solid mixtures. The case of calcium oxalate monohydrate and hydroxyapatite. <i>Vibrational Spectroscopy</i> , 1997, 15, 53-60.	2.2	35
12	Quantitative non-destructive determination of salicylic acid acetate in aspirin tablets by Raman spectroscopy. <i>Talanta</i> , 1994, 41, 1981-1984.	5.5	32
13	Study of bone matrix changes induced by osteoporosis in rat tibia using Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2012, 63, 404-408.	2.2	29
14	Quantitative determination of CaCO <sub>3</sub> and glycine in antacid tablets by Laser Raman Spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1995, 13, 73-76.	2.8	28
15	Quantitative Determination of the Cubic-to-Monoclinic Phase Transformation in Fully Stabilized Zirconias by Raman Spectroscopy. <i>Journal of the American Ceramic Society</i> , 1994, 77, 2191-2194.	3.8	24
16	Pyrolytic boron nitride coated graphite as a container of reference electrodes for molten fluorides. <i>Electrochimica Acta</i> , 1995, 40, 2547-2551.	5.2	23
17	Modal Damping for Monitoring Bone Integrity and Osteoporosis. <i>Journal of Biomechanical Engineering</i> , 2004, 126, 1-5.	1.3	23
18	Reevaluation of the plant "gemstones" Calcium oxalate crystals sustain photosynthesis under drought conditions. <i>Plant Signaling and Behavior</i> , 2016, 11, e1215793.	2.4	23

#	ARTICLE	IF	CITATIONS
19	Differential pulse polarography: a suitable technique for monitoring drug release from polymeric nanoparticle dispersions. <i>Analytica Chimica Acta</i> , 2003, 491, 57-62.	5.4	17
20	Simultaneous quantitative determination of diazepam and liposomes using differential pulse polarography. <i>Analytica Chimica Acta</i> , 1999, 391, 83-88.	5.4	12
21	Changes in size and composition of pigweed ( <i>Amaranthus hybridus</i> L.) calcium oxalate crystals under CO <sub>2</sub> starvation conditions. <i>Physiologia Plantarum</i> , 2019, 166, 862-872.	5.2	12
22	Release study of drugs from liposomic dispersions using differential pulse polarography. <i>Analytica Chimica Acta</i> , 2001, 449, 135-141.	5.4	7
23	Quantitative analysis of impurities in $\beta$ -caprolactam by Raman spectroscopy. <i>Analyst, The</i> , 1995, 120, 347-350.	3.5	5
24	Determination of liposomes drug retention capacity using differential pulse polarography: the case of chlorothiazide. <i>Analytica Chimica Acta</i> , 2000, 409, 99-104.	5.4	5
25	FT-IR/ATR Solid Film Formation: Qualitative and Quantitative Analysis of a Piperacillin-Tazobactam Formulation. <i>Molecules</i> , 2020, 25, 6051.	3.8	5
26	Nucleation kinetics of $\beta$ -caprolactam melts in the presence of water impurity. <i>Journal of Crystal Growth</i> , 1997, 171, 538-542.	1.5	4
27	A POLAROGRAPHIC METHODOLOGY FOR CONTINUOUS NON-DESTRUCTIVE MONITORING OF DRUG RELEASE FROM LIPOSOMES. <i>Journal of Liposome Research</i> , 2001, 11, 255-264.	3.3	3
28	Analysis of IV Drugs in the Hospital Workflow by Raman Spectroscopy: The Case of Piperacillin and Tazobactam. <i>Molecules</i> , 2021, 26, 5879.	3.8	3
29	Warfarin Sodium Stability in Oral Formulations. <i>Molecules</i> , 2021, 26, 6631.	3.8	3
30	Comparative Study of Sample Carriers for the Identification of Volatile Compounds in Biological Fluids Using Raman Spectroscopy. <i>Molecules</i> , 2022, 27, 3279.	3.8	3
31	Sample Preparation of Posaconazole Oral Suspensions for Identification of the Crystal Form of the Active Pharmaceutical Ingredient. <i>Molecules</i> , 2020, 25, 6032.	3.8	2
32	Raman spectral study of WCl <sub>6</sub> in alkali chloride melts. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1997, 101, 847-850.	0.9	1
33	Incorporation of Nonsteroidal Anti-inflammatory Drugs (NSAIDs) in Poly(propylene) Matrices for Wound Healing Applications. The case of Ibuprofen. <i>Macromolecular Symposia</i> , 2013, 331-332, 115-122.	0.7	1
34	Measuring Bismuth Oxide Particle Size and Morphology in Film-Coated Tablets. <i>Molecules</i> , 2022, 27, 2602.	3.8	0