

# Xiaoping Wang

## List of Publications by Year in descending order

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13  
papers

222  
citations

1307594

7  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

343  
citing authors

#	ARTICLE	IF	CITATIONS
1	Layer analysis of axial spatial distribution of surface plasmon resonance sensing. <i>Analytica Chimica Acta</i> , 2020, 1136, 141-150.	5.4	3
2	High-performance polarization control modulated surface plasmon resonance sensor based on monolayer graphene/Au-NPs architecture for detection of DNA hybridization. <i>Measurement Science and Technology</i> , 2019, 30, 125701.	2.6	8
3	Optimization methodology for structural multiparameter surface plasmon resonance sensors in different modulation modes based on particle swarm optimization. <i>Optics Communications</i> , 2019, 431, 142-150.	2.1	24
4	Theoretical analysis of metamaterial-gold auxiliary grating sensing structure for surface plasmon resonance sensing application based on polarization control method. <i>Optics Communications</i> , 2017, 405, 343-349.	2.1	11
5	Improved polarization contrast method for surface plasmon resonance imaging sensors by inert background gold film extinction. <i>Optics Communications</i> , 2015, 346, 1-9.	2.1	12
6	Absolute measurement system for low electrolytic conductivity of aqueous solutions based on van der Pauw's theory using a flow-through cell. <i>Accreditation and Quality Assurance</i> , 2014, 19, 433-438.	0.8	2
7	REVIEW: ADVANCES AND APPLICATIONS OF SURFACE PLASMON RESONANCE BIOSENSING INSTRUMENTATION. <i>Instrumentation Science and Technology</i> , 2013, 41, 574-607.	1.8	41
8	Rapid prediction of fatty acid composition of vegetable oil by Raman spectroscopy coupled with least squares support vector machines. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1739-1745.	2.5	38
9	STUDY ON THE PERFORMANCE PROMOTION OF THE SURFACE PLASMON RESONANCE ANALYTICAL SYSTEM. <i>Instrumentation Science and Technology</i> , 2012, 40, 226-237.	1.8	6
10	Quantitative analysis of adulteration of extra virgin olive oil using Raman spectroscopy improved by Bayesian framework least squares support vector machines. <i>Analytical Methods</i> , 2012, 4, 2772.	2.7	57
11	A MINIATURE SURFACE PLASMON RESONANCE BIOANALYTICAL SYSTEM FOR FIELD DETECTION OF MICROCYSTIN-LR IN SURFACE WATER. <i>Instrumentation Science and Technology</i> , 2011, 39, 462-474.	1.8	2
12	Study on intensity-modulated surface plasmon resonance array sensor based on polarization control. , 2010, , .		4
13	Indirect Inhibitive Immunoassay for Estradiol Using Surface Plasmon Resonance Coupled to Online In-Tube SPME. <i>Analytical Letters</i> , 2009, 42, 2758-2773.	1.8	14