

Vladimir A Kolchuzhin

List of Publications by Year in descending order

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13
papers

130
citations

1684188

5
h-index

1872680

6
g-index

13
all docs

13
docs citations

13
times ranked

301
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical Enhancement vs Moleculeâ€™Substrate Geometry in Plasmon-Enhanced Spectroscopy. ACS Photonics, 2021, 8, 2243-2255.	6.6	16
2	Mechanical properties and applications of custom-built gold AFM cantilevers. Mechatronics, 2016, 40, 281-286.	3.3	11
3	The substrate matters in the Raman spectroscopy analysis of cells. Scientific Reports, 2015, 5, 13150.	3.3	61
4	Bitter coil design methodology for electromagnetic pulse metal processing techniques. Journal of Manufacturing Processes, 2014, 16, 551-562.	5.9	13
5	System-level-model development of an SWCNT based piezoresistive sensor in VHDL-AMS. , 2014, , .		2
6	A parametric multilevel MEMS simulation methodology using finite element method and mesh morphing. , 2012, , .		0
7	Recent developments in reduced order modeling based on mode superposition technique. , 2011, , .		4
8	Raman scattering on semiconductor microtubes. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 2060-2063.	0.8	6
9	Challenges in MEMS parametric macro-modeling based on mode superposition technique. , 2009, , .		2
10	A derivatives-based method for parameterization of MEMS Reduced Order Models. , 2008, , .		6
11	Efficient Generation of MEMS Reduced-Order Macromodels Using Differentiation of Finite Elements. Sensor Letters, 2008, 6, 97-105.	0.4	4
12	Application of Higher Order Derivatives Method to Parametric Simulation of MEMS. , 2007, , .		5
13	Finite Element Based Macromodeling of Drag-Force Flowmeter. , 2006, , .		0