

# Rana N S Sodhi

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,085  
citations

840776

11  
h-index

580821

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-of-flight secondary ion mass spectrometry (TOF-SIMS):â€™ versatility in chemical and imaging surface analysis. <i>Analyst</i> , The, 2004, 129, 483-487.	3.5	263
2	Interaction between Sodium Hypochlorite and Chlorhexidine Gluconate. <i>Journal of Endodontics</i> , 2007, 33, 966-969.	3.1	232
3	Electrical Resistance of Ag <sup>TS</sup> â€™S(CH <sub>2</sub> ) <sub>n</sub> CH <sub>3</sub> /Ga <sub>2</sub> O <sub>3</sub> /EGaIn <sub>97</sub> Tunneling Junctions. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10848-10860.		
4	Bitterfeld amber is not Baltic amber: Three geochemical tests and further constraints on the botanical affinities of succinite. <i>Review of Palaeobotany and Palynology</i> , 2016, 225, 21-32.	1.5	100
5	Determination of 4-Chloroaniline and Its Derivatives Formed in the Interaction of Sodium Hypochlorite and Chlorhexidine by Using Gas Chromatography. <i>Journal of Endodontics</i> , 2010, 36, 312-314.	3.1	70
6	Surface and buried interface layer studies on challenging structures as studied by ARXPS. <i>Surface and Interface Analysis</i> , 2017, 49, 1309-1315.	1.8	40
7	Qualitative Analysis of Precipitate Formation on the Surface and in the Tubules of Dentin Irrigated with Sodium Hypochlorite and a Final Rinse of Chlorhexidine or QMiX. <i>Journal of Endodontics</i> , 2014, 40, 2036-2040.	3.1	35
8	Electron Transfer in Spacer-Free DNA Duplexes Tethered to Gold via dA <sub>10</sub> Tags. <i>Langmuir</i> , 2018, 34, 8472-8479.	3.5	23
9	Chemical composition and microstructure of waxy plant surfaces: triterpenoids and fatty acid derivatives on leaves of <i>Kalanchoe daigremontiana</i> . <i>Surface and Interface Analysis</i> , 2011, 43, 326-330.	1.8	20
10	XPS study on the passivity of coarse-grained polycrystalline and electrodeposited nanocrystalline nickel-iron (NiFe) alloys. <i>Corrosion Science</i> , 2020, 176, 108902.	6.6	18
11	Analysis of burnt schist outcrops in the alps: Relation to historical archaeology and Hannibal's crossing in 218 B.C.. <i>Geoarchaeology - an International Journal</i> , 2007, 22, 797-816.	1.5	15
12	Remote plasma enhanced chemical vapor deposition of silicon nitride on IIIâ€™V semiconductors: Xâ€™ray photoelectron spectroscopy studies of the interface. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1989, 7, 663-669.	2.1	11
13	Preliminary characterization of Palaeogene European ambers using ToFâ€™SIMS. <i>Surface and Interface Analysis</i> , 2013, 45, 557-560.	1.8	10
14	Mineral carbonation for serpentine mitigation in nickel processing: a step towards industrial carbon capture and storage. <i>Faraday Discussions</i> , 2021, 230, 172-186.	3.2	8
15	Interfacial Interactions and Tribological Behavior of Metal-Oxide/2D-Material Contacts. <i>Tribology Letters</i> , 2021, 69, 1.	2.6	8
16	Surface selective chemical modification of fluoropolymer using aluminum deposition. <i>Langmuir</i> , 1991, 7, 2146-2152.	3.5	7
17	Conductivity of inkjet-printed PEDOT:PSS-SWCNTs on uncoated papers. <i>Nordic Pulp and Paper Research Journal</i> , 2012, 27, 486-495.	0.7	7
18	Effects of Final Irrigation with SmearOFF on the Surface of Dentin Using Surface Analytical Methods. <i>Journal of Endodontics</i> , 2018, 44, 1714-1719.	3.1	6

#	ARTICLE	IF	CITATIONS
19	Differentiating diterpene resin acids using ToF-SIMS and principal component analysis: new tools for assessing the geochemistry of amber. <i>Surface and Interface Analysis</i> , 2014, 46, 365-371.	1.8	4
20	X-Ray photoelectron spectroscopy (XPS) surface analysis of HEMA-MMA microcapsules. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1997, 8, 655-665.	3.5	3
21	Penetration of chlorhexidine coating into tooth enamel: A surface analytical study. <i>Biointerphases</i> , 2016, 11, 02A328.	1.6	3
22	ToF-SIMS and other surface spectroscopies applied to the study of ancient artifacts: Preliminary investigation of a tetradrachm of Claudius. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2018, 36, .	1.2	2
23	Investigation of imaging ToF-SIMS as a means to study coatings on wood. <i>Surface and Interface Analysis</i> , 2011, 43, 595-599.	1.8	1
24	Investigation of a connector electrical failure. <i>Surface and Interface Analysis</i> , 2011, 43, 600-603.	1.8	1
25	XPS and TOF-SIMS applied to the study of ancient artifacts: Further studies on Alexandrian tetradrachms from the time of the Julio-Claudian dynasty. <i>Surface and Interface Analysis</i> , 2020, 52, 1004-1010.	1.8	1