

An improved methodology for the characterization and
art by normal Raman and SERS, complemented by FTIR

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Applications of Raman spectroscopy in art and archaeology. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 985-992.	1.2	22
2	Recent advances in linear and non-linear Raman spectroscopy. Part IX. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 1173-1190.	1.2	13
3	Composition and spectroscopic properties of historic Cr logwood inks. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 1422-1428.	1.2	6
4	Detection of total protein in milk using phosphomolybdic acid-mediated surface-enhanced Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 277-282.	1.2	13
5	Vibrational spectroscopy of synthetic and natural eumelanin. <i>Polymer International</i> , 2016, 65, 1323-1330.	1.6	24
6	The modulation of melanin-like materials: methods, characterization and applications. <i>Polymer International</i> , 2016, 65, 1258-1266.	1.6	23
7	Scalable Fabrication of Polydopamine Nanotubes Based on Curcumin Crystals. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 489-493.	2.6	55
8	Identification of artistic materials in paintings and drawings by Raman spectroscopy: some challenges and future outlook. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 9-15.	1.2	42
9	Raman Spectroscopy of cultural heritage Materials: Overview of Applications and New Frontiers in Instrumentation, Sampling Modalities, and Data Processing. <i>Topics in Current Chemistry</i> , 2016, 374, 62.	3.0	78
10	Surface-Enhanced Raman Spectroscopy: Using Nanoparticles to Detect Trace Amounts of Colorants in Works of Art. , 2016, , 161-204.		11
11	An insight into the metal coordination and spectroscopic properties of artistic Fe and Fe/Cu logwood inks. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 522-529.	2.0	9
12	Raman microspectrometric study of pigments in melanized fungi from the hyperarid <sc>Atacama</sc> desert gypsum crust. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1487-1493.	1.2	31
13	Analytical evidences of the use of iron-gall ink as a pigment on miniature paintings. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 187, 1-8.	2.0	26
14	Recognition unit-free and self-cleaning photoelectrochemical sensing platform on TiO ₂ nanotube photonic crystals for sensitive and selective detection of dopamine release from mouse brain. <i>Biosensors and Bioelectronics</i> , 2017, 87, 396-403.	5.3	43
15	Structural and optical investigation on the wings of <i>Idea malabarica</i> (Moore, 1877). <i>IET Nanobiotechnology</i> , 2017, 11, 71-76.	1.9	8
16	An analytical strategy based on Fourier transform infrared spectroscopy, principal component analysis and linear discriminant analysis to suggest the botanical origin of resins from <i>Bursera</i> . Application to archaeological Aztec Samples. <i>Journal of Cultural Heritage</i> , 2018, 33, 48-59.	1.5	13
17	The unique preservation of <i>Sepia</i> soft tissues in the Miocene deposits (Serravalian, Vienna Basin): Implications for the origin of microbodies in the fossil record. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 493, 111-118.	1.0	3
18	Colour and Ink Characterization of Ottoman Diplomatic Documents Dating from the 13th to the 20th Century. <i>Restaurator</i> , 2018, 39, 265-288.	0.2	5

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19	Effect of melanin nanoparticles on the mechanical, water vapor barrier, and antioxidant properties of gelatin-based films for food packaging application. <i>Food Packaging and Shelf Life</i> , 2019, 21, 100363.	3.3	97
20	Deepening Inside the Pictorial Layers of Etruscan Sarcophagus of Hasti Afunei: An Innovative Micro-Sampling Technique for Raman/SERS Analyses. <i>Molecules</i> , 2019, 24, 3403.	1.7	5
21	<i>In situ</i> growth of Au nanoparticles on natural melanin as biocompatible and multifunctional nanoagent for efficient tumor theranostics. <i>Journal of Materials Chemistry B</i> , 2019, 7, 133-142.	2.9	18
22	Melanin-Mediated Synthesis of Copper Oxide Nanoparticles and Preparation of Functional Agar/CuO NP Nanocomposite Films. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-10.	1.5	42
23	One-step fabrication of dopamine-inspired Au for SERS sensing of Cd ²⁺ and polycyclic aromatic hydrocarbons. <i>Analytica Chimica Acta</i> , 2019, 1062, 131-139.	2.6	30
24	Isolation and characterization of melanin from black garlic and sepia ink. <i>LWT - Food Science and Technology</i> , 2019, 99, 17-23.	2.5	63
25	Preparation of carrageenan-based functional nanocomposite films incorporated with melanin nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 176, 317-324.	2.5	79
26	<i>Nanotechnologies and Nanomaterials</i> , 2019, , 325-380.		9
27	Non-invasive spectroscopic methods for the identification of drawing materials used in XVIII century. <i>Journal of Cultural Heritage</i> , 2020, 41, 34-42.	1.5	10
28	Polydopamine-Coated Paraffin Microcapsules as a Multifunctional Filler Enhancing Thermal and Mechanical Performance of a Flexible Epoxy Resin. <i>Journal of Composites Science</i> , 2020, 4, 174.	1.4	11
29	Bioinspired Polydopamine Coating as an Adhesion Enhancer Between Paraffin Microcapsules and an Epoxy Matrix. <i>ACS Omega</i> , 2020, 5, 19639-19653.	1.6	33
30	Superfast and controllable microfluidic inking of anti-inflammatory melanin-like nanoparticles inspired by cephalopods. <i>Materials Horizons</i> , 2020, 7, 1573-1580.	6.4	16
31	Melanins as Sustainable Resources for Advanced Biotechnological Applications. <i>Global Challenges</i> , 2021, 5, 2000102.	1.8	16
32	Size-dependent surface enhanced Raman scattering activity of plasmonic AuNS@AgNCs for rapid and sensitive detection of Butyl benzyl phthalate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 248, 119131.	2.0	12
33	SERS characterization of dopamine and <i>in situ</i> dopamine polymerization on silver nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 12158-12170.	1.3	12
34	Eumelanin: From Molecular State to Film. <i>Journal of Physical Chemistry C</i> , 2021, 125, 3567-3576.	1.5	9
35	Photo induced mechanistic activity of GO/Zn(Cu)O nanocomposite against infectious pathogens: Potential application in wound healing. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 34, 102291.	1.3	12
36	Fabrication of pectin/agar blended functional film: Effect of reinforcement of melanin nanoparticles and grapefruit seed extract. <i>Food Hydrocolloids</i> , 2021, 118, 106823.	5.6	59

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37	Construction of 3D Bi/ZnSnO ₃ hollow microspheres for label-free highly selective photoelectrochemical recognition of norepinephrine. <i>Nanoscale</i> , 2021, 13, 9270-9279.	2.8	8
38	Spectroscopic Study of Pigments and Binders in Works of Art. <i>RSC Detection Science</i> , 2021, , 183-200.	0.0	1
39	Técnicas analíticas para la caracterización de documentos: una revisión bibliográfica. <i>Ge-Conservacion</i> , 0, 17, 251-266.	0.1	1
40	Melanin pigment derived from marine organisms and its industrial applications. <i>Dyes and Pigments</i> , 2022, 201, 110214.	2.0	27
41	Nanofiber-mediated sequential photothermal antibacteria and macrophage polarization for healing MRSA-infected diabetic wounds. <i>Journal of Nanobiotechnology</i> , 2021, 19, 404.	4.2	20
42	Water-Activated Semiquinone Formation and Carboxylic Acid Dissociation in Melanin Revealed by Infrared Spectroscopy. <i>Polymers</i> , 2021, 13, 4403.	2.0	12
43	Cellulose ionic conductor with tunable Seebeck coefficient for low-grade heat harvesting. <i>Carbohydrate Polymers</i> , 2022, 292, 119650.	5.1	10
44	High conductivity Sepia melanin ink films for environmentally benign printed electronics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	11
45	From Frescoes to Paintings. <i>Cultural Heritage Science</i> , 2023, , 169-214.	0.3	0
46	Pigments, Dyes and Colouring Agents. <i>Cultural Heritage Science</i> , 2023, , 53-106.	0.3	1
47	Fabrication of antifouling coating based on chitosan-melanin hybrid nanoparticles as sustainable and antimicrobial surface. <i>Progress in Organic Coatings</i> , 2023, 174, 107327.	1.9	9