



Curriculum vitae

MATIJA STRLIČ PhD FRSA FIIC FRSC

Professor, Heritage Science (UCL)
Deputy Director, UCL Institute for Sustainable Heritage
Deputy Director, EPSRC Centre for Doctoral Training in Arts, Heritage and Archaeology
Professor, Analytical Chemistry (University of Ljubljana)

Employment

01/10/2014	Professor of Heritage Science; University College London, The Bartlett School of Energy, Environment, and Sustainable Resources, Institute for Sustainable Heritage.
22/10/2007	Senior Lecturer in Sustainable Heritage; University College London, The Bartlett School of Graduate Studies, Centre for Sustainable Heritage.
20/04/2007	Assistant Professor of Analytical Chemistry; University of Ljubljana, Faculty of Chemistry and Chemical Technology.
27/06/2002	Associated Professor of Analytical Chemistry; University of Ljubljana, Faculty of Chemistry and Chemical Technology.
01/08/1995	Faculty Assistant; University of Ljubljana, Faculty of Natural Sciences and Technology.

Education and skills development

16/07/2010	AHRC Media training course, London.
28-30/06/2010	Short Course "Teaching with Cases", European Case Clearing House, IMD, Lausanne, Switzerland.
2009-2010	Postgraduate Certificate in Learning and Teaching in Higher Education, University College London.
28/11/2000	PhD, dissertation title: "New analytical approaches to studies of oxidation and depolymerisation of cellulose".
1995-2000	Postgraduate study of chemistry (analytical chemistry).
1988-1995	Graduate study of chemistry at the University of Ljubljana, Faculty of natural sciences and technology.

Membership of professional bodies

2017-	Fellow of the International Institute for Conservation
2016-2017	Fellow of the Royal Society of Arts
2015-2018	Chair, ICON Heritage Science Committee
2011-	Member of IIC
2011-	Fellow of the Royal Society of Chemistry
2009-2014	Assistant Coordinator: ICOM-CC Scientific Research Group
2008-2015	Member of the ICON Science Committee
2007-2011	Member of the Royal Society of Chemistry

Awards

20/11/2015	Ambassador of Science of the Republic of Slovenia Award for the outstanding achievements in science and international collaboration
26/06/2014	Awarded the title Professor of Analytical Chemistry at the University of Ljubljana
07/12/2007	Elected "Best professor of chemistry 2007" by the students of the Faculty of Chemistry and Chemical Technology, University of Ljubljana.
30/11/2005	Elected "Best professor of chemistry 2005" by the students of the Faculty of Chemistry and Chemical Technology, University of Ljubljana.
03/10/2005	For the achievements in the frame of the Renova Laser E!2542 project, received the 2005 EUREKA Diploma, awarded by the Slovenian Ministry of Higher Education, Science and technology.
07/06/2005	Member of "Best Research Programme Group" of 2004, nominated by the Slovenian Research Agency.
22/02/2002	For the outstanding scientific contributions in the field of chemistry, received the Zois award, given by the Slovenian Ministry of Education, Science and Sport.
15/11/2000	Award for best dissertation by the Pulp, Paper and Paper Converting Industry Association of the Slovenian Chamber of Commerce.

Teaching

2018-	MRes in Heritage Science. University College London, The Bartlett School of Graduate Studies
2010-2018	MRes in Heritage Science. University College London, The Bartlett School of Graduate Studies, Course Director
2008-	MSc in Sustainable Heritage. University College London, The Bartlett School of Graduate Studies
2008-	MSc in Conservation for Archaeology and Museums. University College London, Institute of Archaeology
2005-2010	Metals in biological systems; postgraduate course for students of chemistry. University of Ljubljana, Faculty of Chemistry and Chemical technology.
2005-2008	Analytical chemistry; graduate course for students of chemical education. University of Ljubljana, Faculty of Chemistry and Chemical technology.
2006-2008	Separation methods in analytical chemistry; postgraduate course for students of chemistry. University of Ljubljana, Faculty of Chemistry and Chemical technology.
2005	Chemistry for conservators/restorers; series of lectures organised by the Slovenian Society for Restorers.
2005	Automated analysis (laboratory practice); graduate course for students of chemistry. University of Ljubljana, Faculty of Chemistry and Chemical technology.
1997-2008	Analytical chemistry (laboratory practice); graduate course for students of chemistry. University of Ljubljana, Faculty of Chemistry and Chemical technology.
1997-2000	Analytical chemistry (laboratory practice); graduate course for students of chemical technology. University of Ljubljana, Faculty of Chemistry and Chemical technology.

Visiting professor

2007	Non- and Micro-destructive analysis of cultural heritage (postgraduate course for students of conservation); Visiting professor, EVTEK University of applied sciences, Helsinki, Finland.
------	---

Examiner

2018	Imperial College London
2015	Trinity College Dublin, Ireland
2015	Aalto University, Espoo, Finland
2015	University of Natural Resources and Life Sciences, Vienna, Austria
2012-	UCL
2012	University of Barcelona, Spain
2010	Cardiff University
2005-	University of Ljubljana, Slovenia

Peer Review

2016-	Member of the EPSRC Peer Review College
2012-	Member of the AHRC Peer Review College
	Reviewed proposals EU Horizon 2020, EU FP7 and funding bodies of Austria, Belgium, Czech Republic, Estonia, Italy, Poland, Portugal, Netherlands and Slovenia.

Workshops

10-19/11/2015	Cleaning Methodologies and Scientific Evaluation, Conservation Center of the Grand Egyptian Museum, Cairo, Egypt.
14/11/2013	Collections Demography Workshop, Smithsonian Institution, Washington, USA.
26/05/2011	Historic Paper and Ink, Bibliotheca Alexandrina, Alexandria, Egypt.
06/04/2011	E=mc2 – Efficiency Is in Microclimate Control, NetHeritage Conference, Krakow, Poland.
21-22/05/2009	Historic paper – Degradation and Non-Destructive Testing, University College London, London.
8-9/7/2008	SurveNIR workshop: Near infrared spectroscopy tool for collection surveying, Ljubljana
8-9/7/2008	PaperTreat workshop: Evaluation of mass deacidification processes, Ljubljana
31/01-01/02/2008	Historic paper – Degradation and Non-Destructive Testing, University College London, London.
10-15/09/2007	COST Interdisciplinary Training School On Cultural Heritage, Genova.
22-24/08/2007	Chemistry for Conservators I, Ljubljana.
02/02/2007	Paper microanalysis workshop, BL Mellon project, Edinburgh.
20/11/2005	Papyrus workshop: Paper analysis, Ljubljana.
15/11/2005	InkCor workshop: Stabilisation of iron gall ink documents, Ljubljana.

Supervision

2001-	Primary supervisor of 18 PhD students. Theses completed: Margot Prentice, Jacob L. Thomas, Ann Fenech, Eva Menart, Josep Grau-Bove, Tiphaine Bardon (University College London), and Drago Kočar, Vid Šelih, Vesna Weingerl, Alenka Možir, Giovanna Piantanida and Tanja Trafela (University of Ljubljana). Secondary supervisor: Alexander Nimmo (University College London), Jasna Malesic (University of Ljubljana)
2003-2007	Supervised 34 diploma students.

Management

2014-2022	EPSRC Doctoral Training Centre “Science and Engineering in Arts, Heritage and Archaeology”, Co-Investigator
2018-2022	H2020 “Active & intelligent PAcKaging materials and display cases as a tool for preventive conservation of Cultural Heritage” – Co-Investigator
2017-2019	Horizon 2020 “European Research Infrastrucutre for Heritage Science – Preparatory Phase” – Co-Investigator
2015-2018	Horizon 2020 “NANORESTART - NANOmaterials for the REStoration of works of ART”, Co-Investigator
2011-2016	EPSRC EP/I02929X/1 Complex Built Environment Systems (CBES) Platform Grant “The Unintended Consequences of Decarbonising the Built Environment”, Co-Investigator
2013-2015	7 th Framework Marie Curie IEF “SmellModel”, Project co-ordinator
2013-2014	UK Science & Heritage programme (AHRC/EPSRC) Development Grant “Rigour and Relevance: Mind the Gap in Heritage Science Research”, Co-Investigator
2013	UK AHRC Creative Economy Knowledge Exchange Project “Design with Heritage”, Co-Investigator
2010-2013	UK Science & Heritage programme (AHRC/EPSRC) Large Grant – “Collections Demography: On Dynamic Evolution of Populations of Objects”, Principal investigator
2010-2013	UK Science & Heritage programme (AHRC/EPSRC) Large Grant – “Heritage Smells!”, Co-Investigator
2010-2013	UK Science & Heritage programme (AHRC/EPSRC) Post Doctoral Fellowship – “Change or Damage? Effect of Climate Change on Decorative Furniture Surfaces in Historic Properties”, Mentor
2010-2013	UK Science & Heritage programme (AHRC/EPSRC) Post Doctoral Fellowship – “Accessible heritage – Remote trans-continental heritage monitoring system”, Mentor
2008-2012	7 th Framework PopArt: “Strategy for the preservation of plastic artefacts in museums collections”, Project partner
2008-2012	7 th Framework TEACH: “Technologies and tools to prioritize Assessment and diagnosis of air pollution impact on immovable and movable Cultural Heritage”, Project partner
2008-2011	UK Science & Heritage programme (AHRC/EPSRC) Collaborative Research Studentship – Lifetime of Colour Photographs in Mixed Archival Collections”, Grant holder
2009-2010	Building Environment Simulation project, financed by The National Archives, Kew, Project partner
2006-2010	COST D42 “Chemical interactions between cultural artefacts and the indoor environment – EnviArt«, Workgroup coordinator.

2009-2010	St.Paul's Cathedral Wren Library environmental assessment project, Project partner
2008-2010	UK Technology Strategy Board - Heritage Intelligence: "Cultural Heritage Environmental Monitoring with Intelligent Sensor Systems", Project partner
2009	UK Science & Heritage programme (AHRC/EPSRC) Research Cluster – "EGOR "Environmental Guidelines Opportunities and Risks", Co-Investigator
2009	The British Library Identical Books Project, Project partner
2008-2009	7 th Framework CHRESP: "8th European Conference on Research for Protection, Conservation and Enhancement of Cultural Heritage", Project partner
2007-2009	ARRS L1-9710-0103-06 PaperVOC "Volatile organic compounds in paper-based cultural heritage collections – source of information or health risk?", Project coordinator.
2006-2008	MSZS/MKGP V4-0321 CRP "Phenolic potential of plum and cherry local cultivars", project manager.
2005-2008	6th Framework PaperTreat "Evaluation of mass deacidification processes", Project partner
2005-2008	6th Framework SurveNIR "Near Infrared Tool for Collection Surveying", Project coordinator.
2004-2008	COST E41 "Analytical tools with applications for wood and pulping chemistry", Slovenian coordinator.
2006	Culture 2000 "Saving sacred relics of European medieval cultural heritage", External advisor.
2001-2006	COST G7 "Laser conservation of artworks", Slovenian coordinator.
2002-2005	5th Framework MIP "Metals in paper", Project partner
2002-2005	5th Framework INKCOR "Stabilisation of iron-gall ink containing paper", Project partner
2002-2005	MSZS/MKGP CRP V4-0738 "Physiological milestones of integrated winegrowing", Project partner
2002-2004	Eureka RENOVA-LASER "Laser renovation of monuments and artworks", Project partner
2001-2004	5th Framework POPYLUM "Chemiluminescence – a novel tool in paper conservation studies", Scientific coordinator.
2001-2004	Slovenian-Polish project "Laser renovation and diagnosis of art.works", Project coordinator.
2001-2003	MSZS L2-3195 "Development of a technical laser prototype for paper restoration", Project partner
1999-2001	Eureka Laclepa "Laser cleaning of paper and parchment", Project partner

Organisational activities

20-21/06/2016	Scientific Committee Member: "2 nd International Conference on Science and Engineering in Arts, Heritage and Archaeology", Oxford, UK
03-04/03/2016	Scientific Committee Member: "Indoor Air Quality in Heritage and Historic Environments." 12 th International Conference, Birmingham, UK
14-15/07/2015	Advisory and Organisation Committee Member: "1 st International Conference Science and Engineering in Arts, Heritage and Archaeology", London, UK
03-06/06/2014	Scientific Committee Member: "LACONA 10 – Use of Lasers in Conservation", Sharjah, UAE
13-16/04/2014	Scientific Committee Member: "Indoor Air Quality in Heritage and Historic Environments." 11 th International Conference, Prague, Czech Republic
23/07/2013	Chairperson: "Collections Demography Colloquium", London, UK
17-23/06/2012	Chairperson: "Indoor Air Quality 10", London, UK
07-10/09/2011	Co-chairperson: "LACONA 9 – Use of Lasers in Conservation", London, UK
12-13/09/2011	Scientific Committee Member: "Anoxia and Microfading - The impact on collection care, London, UK
21-23/04/2010	Scientific Committee Member: "Indoor Air Quality 9", Chalon-sur-Saône, France
10-13/11/2008	Co-coordinator: "8th European Conference on Research for Protection, Conservation and Enhancement of Cultural Heritage", Ljubljana, Slovenia
07-09/07/2008	Co-coordinator: "Durability of Paper and Writing II", Ljubljana, Slovenia.
17-19/04/2008	Scientific Committee Member: "Indoor Air Quality 8", Vienna, Austria
12/07-14/07/2007	Scientific Committee member: "From Grape to Wine" - 1st International Junior Researchers' Meeting, Ljubljana, Slovenia
27/09-29/09/2006	Scientific Committee member: "12th International Symposium on Separation Sciences", Lipica, Slovenia.
17/11-18/11/2005	Coordinator: "Use of Lasers in Conservation and Conservation Science", Ljubljana, Slovenia.
16/11-19/11/2004	Co-coordinator: "Durability of Paper and Writing", Ljubljana, Slovenia.
01/09-03/09/2004	Scientific Committee member: "European conference 'Sustaining Europe's Cultural Heritage: From Research to Policy', London, UK.
11/03-12/03/2004	Co-coordinator: "ICOM-CC graphic documents interim meeting", Ljubljana, Slovenia.

- 27/08-30/08/2003 Scientific Committee member: "13th International Symposium "Spectroscopy in Theory and Practice", Nova Gorica, Slovenia.
- 03/06-05/06/2002 Co-coordinator: "7th International Symposium "Advances in Analytical Separation Science - Chromatography and Electrophoresis", Pörschach/Wörthersee, Austria.

Editorial work

- 2018 Guest Editor: Special Issue on 'Heritage Science', Angewandte Chemie, Wiley.
[https://onlinelibrary.wiley.com/doi/toc/10.1002/\(ISSN\)1521-3773.HeritageScience](https://onlinelibrary.wiley.com/doi/toc/10.1002/(ISSN)1521-3773.HeritageScience)
- 2017- Member of the Editorial Board: "Heritage", MDPI, Basel, Switzerland.
<http://www.mdpi.com/journal/heritage>
- 2016- Member of the Editorial Board (book series): "Cultural Heritage Science", Springer Nature, London, UK, ISSN: 2366-6226. <http://www.springer.com/series/13104>
- 2014- Member of the Editorial Board: "Polymer Degradation and Stability", Elsevier, London, UK, ISSN 0141-3910. <http://www.journals.elsevier.com/polymer-degradation-and-stability/>
- 2014 Guest Editor: Special Issue on 'Polymers in Art and History – Degradation and Stabilisation', Polymer Degradation and Stability, Elsevier
- 2013- Member of the Editorial Board: "Heritage Science", Chemistry Central/Springer Science+Business Media, London, UK, ISSN 2050-7445. <http://www.heritagesciencejournal.com/>
- 2010- Member of the Editorial Board: "Studies in Conservation", Maney, London, UK, ISSN 0039-3630.
<http://www.maney.co.uk/index.php/journals/sic/>
- 2013- Member of the Editorial Board: "e-Preservation science". Morana RTD, Ivančna Gorica, Slovenia. ISSN 1581-9280. <http://www.morana-rtd.com/e-preservationscience/>
- 2004-2013 Editor: "e-Preservation science". Morana RTD, Ivančna Gorica, Slovenia. ISSN 1581-9280.
<http://www.morana-rtd.com/e-preservationscience/>
- 2003-2010 Member of the Editorial Board: "Acta chimica slovenica", Slovenian Chemical Society, Ljubljana, Slovenia. ISSN 1318-0207. <http://acta.chem-soc.si/index.html>
- 2004-2008 Member of the Editorial Board: "Papir", Society of engineers and paper technologists, Ljubljana, Slovenia, ISSN 0350-6614.

Patent

- 2010 M. Anders, D. A. Lichtblau, J. Kolar, J. Malešič, M. Strlič, M. Šala, M. Kočevar: "Antioxidant for an organic material and method for treating the same", EP1664431, 2010-08-04, European Patent Office, 2010.

Bibliography

Please see the Researcher ID profile for citation data: <http://www.researcherid.com/rid/C-1579-2008>

HI: 29 (source: Scopus)

Books:

1. D. Saunders, M. Strlič, C. Korenberg, N. Luxford, K. Birkhölzer: "Lasers in the conservation of artworks IX", Archetype, London, 2013.
2. M. Schreiner, M. Strlič, R. Salimbeni (Eds.): "Use of Lasers in Conservation and Conservation Science", COST office, 2008.
3. J. Kolar, M. Strlič (Eds.): "Iron Gall Inks: On Manufacture, Characterisation, Degradation and Stabilisation", National and University Library, Ljubljana, Slovenia, 2006.
4. M. Strlič, J. Kolar (Eds.): "Ageing and Stabilisation of Paper", National and University Library, Ljubljana, Slovenia, 2005.

Editorial:

1. M. Strlič: "Heritage Science: A Future-Oriented Cross-Disciplinary Field", Angew. Chem., 57 (2018) 7260-7261, DOI 10.1002/anie.201804246.

Scientific papers (peer reviewed):

1. F. Portoni, J. Grau-Bové, M. Strlič: "A non-invasive, non-destructive technique to quantify naphthalene emission rates from museum objects", submitted.
2. G. Pastorelli, S. Cao, M. Strlič: "Development of dose-response functions for paper degradation by multivariate regression", submitted.
3. J. Grau-Bové, L. Mazzei, D. Thickett, M. Strlič: "New perspectives on the study of particulate matter deposition in indoor heritage", Stud. Conserv., in press.
4. J. Grau-Bové, L. Mazzei, M. Strlič, M. Cassar: "Fluid Simulations in Heritage Science", Heritage Science 7 (2019) #16
5. C. Duran-Casablancas, J. Grau-Bové, T. Fearn, M. Strlič: "Accumulation of wear and tear in archival and library collections. Part I: Exploring the concepts of reliability and epidemiology", Heritage Science 7 (2019) #11

6. C. Duran-Casablanco, J. Grau-Bové, T. Fearn, M. Strlič: "Accumulation of wear and tear in archival and library collections. Part II: An epidemiological study", *Heritage Science* 7 (2019) #10
7. N. Bell, M. Cassar, M. Strlič: "Evidence for Informed Preservation Planning and Advocacy: A Synoptic View", *Stud. Conserv.* 63 (2018) 8-14.
8. F. Coppola, A. Modelli, M. Strlič, M. Andretta, F. Scagnolari: "Kinetics of degradation of non-recycled and recycled contemporary paper", *Cellulose* 25 (2018) 5337-5347.
9. R. Brigham, J. Grau-Bové, A. Rudnicka, M. Cassar, M. Strlič: "Crowd-sourcing as an analytical method: Metrology of smartphone measurements in heritage science", *Angew. Chem.*, 57 (2018) 7423-7427, DOI: 10.1002/anie.201801743.
10. K. Curran, M. Underhill, J. Grau-Bové, T. Fearn, L. T. Gibson, M. Strlič: "Sniffing out Decay: classifying degraded modern polymeric museum artefacts by their smell", *Angew. Chem.*, 57 (2018) 7336-7340, DOI: 10.1002/anie.201712278.
11. N. Brown, D. Lichtblau, T. Fearn, M. Strlič: "Characterisation of 19th and 20th Century Chinese Paper", *Her. Sci.* 5 (2017) #47.
12. Y. Liu; I. Kralj-Cigić; M. Strlič: "Kinetics of accelerated degradation of historic iron gall ink containing paper", *Polym. Degrad. Stab.* 142 (2017) 255-262.
13. C. Bembibre, M. Strlič: "Smell of heritage: A framework for the identification, analysis and archival of historic odours", *Her. Sci.* 5 (2017) #2.
14. T. Bardon, R. K. May, P. F. Taday, M. Strlič: "Contrast in terahertz images of archival documents - Part II: Influence of topographic features", *Journal of Infrared, Millimeter, and Terahertz Waves*, 38 (2017) 467-482.
15. T. Bardon, R. K. May, B. Jackson, G. Beentjes, P. F. Taday, M. Strlič: "Contrast in terahertz images of archival documents - Part I: Influence of the optical parameters from the ink and support", *Journal of Infrared, Millimeter, and Terahertz Waves*, 38 (2017) 443-466.
16. C. Coon, B. Pretzel, T. Lomax, M. Strlič: "Preserving Rapid Prototypes: A Review", *Her. Sci.* 4 (2016) #40.
17. H. Mahgoub, T. Bardon, D. Lichtblau, T. Fearn, M. Strlič: "Material Properties of Islamic Paper", *Her. Sci.* 4 (2016) #34.
18. K. Curran, M. Underhill, L. T. Gibson, M. Strlič: "The Development of a SPME-GC/MS Method for the Analysis of VOC Emissions from Historic Plastic and Rubber Materials", *Microchem J*, 124 (2016) 909-918.
19. T. Bardon, R. K. May, P. F. Taday, M. Strlič: "Influence of particle size on optical constants from pellets measured with terahertz pulsed spectroscopy", *IEEE Transactions on Terahertz Science and Technology*, 6 (2016) 408-413.
20. J. Grau-Bové, M. Strlič, L. Mazzei: "Applicability of a drift-flux model of aerosol deposition in a test tunnel and an indoor heritage environment", *Build. Env.* 106 (2016) 78-90.
21. J. Grau-Bové, L. Mazzei, L. Malkii-Ephstein, D. Thickett, M. Strlič: "Simulation of particulate matter ingress, dispersion and deposition in a historical building", *J. Cult. Her.* 18 (2016) 199-208.
22. J. Grau-Bové, B. Budić, I. Kralj Cigić, D. Thickett, M. Strlič: "The effect of particulate matter on paper degradation", *Her. Sci.* 4 (2016) #2.
23. M. Strlič, C. Grossi-Sampedro, C. Dillon, N. Bell, K. Fouseki, P. Brimblecombe, E. Menart, K. Ntanos, W. Lindsay, D. Thickett, F. France, G. De Bruin: "Damage Function for Historic Paper. Part III: Isochrones and Demography of Collections", *Her. Sci.* 3 (2015) #40.
24. M. Strlič, C. Grossi-Sampedro, C. Dillon, N. Bell, K. Fouseki, P. Brimblecombe, E. Menart, K. Ntanos, W. Lindsay, D. Thickett, F. France, G. De Bruin: "Damage Function for Historic Paper. Part II: Wear and Tear", *Her. Sci.* 3 (2015) #36.
25. M. Strlič, C. Grossi-Sampedro, C. Dillon, N. Bell, K. Fouseki, P. Brimblecombe, E. Menart, K. Ntanos, W. Lindsay, D. Thickett, F. France, G. De Bruin: "Damage Function for Historic Paper. Part I: Fitness for Use", *Her. Sci.* 3 (2015) #33.
26. A. Elnaggar, P. Fitzsimons, A. Nevin, K. G. Watkins, M. Strlič: "Viability of Laser Cleaning of Papyrus – Conservation and Scientific Assessment", *Stud. Conserv.*, 60 (2015) S72-S81.
27. M. Oriola, G. Campo, C. Ruiz-Recasens, N. Pedragosa, M. Strlič: "Conservation management scenario appraisal for painting canvases at Museu Nacional d'Art de Catalunya", *Stud. Conserv.*, 60 (2015) S193-S199.
28. A. Potthast, S. Radosta, B. Saake, S. Lebioda, T. Heinze, U. Henniges, A. Isogai, A. Koschella, P. Kosma, T. Rosenau, S. Schiehser, H. Sixta, M. Strlič, G. Strobin, W. Vorwerg, H. Wetzel: "Round robin test on gel permeation chromatography of cellulose: Coming closer to a standard protocol", *Cellulose*, 22 (2015) 1591-1613.
29. M. T. Ruggiero, T. Bardon, M. Strlič, P. F. Taday, T. M. Korter: "The Role of Terahertz Polariton Absorption in the Characterization of Crystalline Iron Sulfate Hydrates", *Phys. Chem. Chem. Phys.*, 17 (2015) 9326-9334.
30. K. Curran, M. Strlič: "Polymers and Volatiles: Using VOC Analysis for Improved Conservation of Plastic and Rubber Objects", *Stud. Conserv.*, 60 (2015) 1-14.

31. E. Menart, G. De Bruin, M. Strlič: "Effects of NO₂ and acetic acid on the stability of historic paper", *Cellulose*, 21 (2014) 3701-3713.
32. M. Ruggiero, T. Bardon, M. Strlic, P. Taday, T. Korter: "Assignment of the Terahertz Spectra of Crystalline Copper Sulfate and Its Hydrates via Solid-State Density Functional Theory", *J. Phys. Chem. A*, 118 (2014) 10101-10108.
33. K. Curran, A. Možir, M. Underhill, L. T. Gibson, M. Strlič: "Cross-infection Effect of Polymers of Historic and Heritage Significance on the degradation of a cellulose reference test material", *Polym. Degrad. Stab.*, 107 (2014) 294-306.
34. G. Pastorelli, C. Cucci, G. Piantanida, O. Garcia, A. Elnaggar, M. Cassar, M. Strlič: "Environmentally induced colour change during natural degradation of selected polymers", *Polym. Degrad. Stab.*, 107 (2014) 198-209.
35. C. Dillon, N. Bell, K. Fouseki, P. Laurensen, A. Thompson, M. Strlič: "Mind the gap: Rigour and relevance in collaborative heritage science research", *Heritage Science* 2 (2014) no. 11.
36. H. Agbota, J. E. Mitchell, M. Odlyha, M. Strlič: "Remote assessment of cultural heritage environments with wireless sensor array networks", *Sensors* 14 (2014) 8779-8793.
37. A. Možir, I. Kralj Cigić, M. Marinšek, M. Strlič: "Material Properties of Historic Parchment - A Reference Collection Survey", *Stud. Conserv.*, 59 (2014) 136-149.
38. M. Oriola, A. Možir, P. Garside, G. Campo, A. Nualart-Torroja, I. Civil, M. Odlyha, M. Cassar, M. Strlič: "Looking beneath Dalí's paint: non-destructive canvas analysis", *Anal. Meth.*, 6 (2014) 86-96.
39. J. Robb, C. Dillon, M. Rumsey, M. Strlic: "Quantitative Assessment of Perceived Value of Geological Collections by 'Experts' for Improved Collections Management", *Geol. Cur.*, 9 (2013) 529-543.
40. D. Pucko Mencigar, M. Strlič, U. Lavrencic Stangar, R. Cerc Korosec: "Hydroxyl Radical Scavenging-based Method for Evaluation of TiO₂ Photocatalytic Activity", *Acta Chim. Slov.*, 60 (2013) 908-912.
41. G. Piantanida, E. Menart, M. Bicchieri, M. Strlič: "Non-destructive Classification of Iron-based Ink by Means of micro-Raman Spectroscopy", *J. Raman Spectr.*, 44 (2013) 1299-1305.
42. T. Bardon, R. K. May, P. F. Taday, M. Strlič: "Systematic study of terahertz time-domain spectra of historically informed black inks", *Analyst*, 138 (2013) 4859-4869.
43. H. Agbota, C. Young, M. Strlič: "Pollution Monitoring at Heritage Sites in Developing and Emerging Economies", *Stud. Conserv.*, 58 (2013) 129-144.
44. A. Fenech, C. Dillon, K. Ntanos, N. Bell, M. Barrett, M. Strlič: "Modelling the Lifetime of Colour Photographs in Archival Collections", *Stud. Conserv.*, 58 (2013) 107-116.
45. M. Strlič, D. Thickett, J. Taylor, M. Cassar: "Damage functions in heritage science", *Stud. Conserv.*, 58 (2013) 80-87.
46. J. Grau-Bové, M. Strlič: "Fine particulate matter in indoor cultural heritage: a literature review", *Herit. Sci.*, 2013, 1:8.
47. T. Trafela, M. Mizuno, K. Fukunaga, M. Strlič: "Quantitative Characterisation of Historic Paper Using THz Spectroscopy and Multivariate Data Analysis", *Appl. Phys. A*, 111 (2013) 83-90.
48. N. Luxford, M. Strlič, D. Thickett: "Safe display parameters for veneer and marquetry objects: a review of the available information for wooden collections", *Stud. Conserv.*, 58 (2013) 1-12.
49. J. Kolar, J. Malešič, D. Kočar, M. Strlič, G. De Bruin, D. Koleša: "Characterisation of paper containing iron gall ink using size exclusion chromatography", *Polym. Degrad. Stab.*, 97 (2012) 2212-2216.
50. G. Pastorelli, T. Trafela, P. Taday, A. Portieri, D. Lowe, K. Fukunaga, M. Strlič: "Characterisation of historic plastics using terahertz time-domain spectroscopy and pulsed imaging", *Anal. Bioanal. Chem.*, 403 (2012) 1405-1414.
51. A. Fenech, T. Fearn, M. Strlič: "Use of design-of-experiment principles to develop a dose-response function for colour photographs", *Polym. Degrad. Stab.*, 97 (2012) 621-625.
52. S.H. Hong, M. Strlič, I. Ridley, K. Ntanos, N. Bell, M. Cassar: "Climate change mitigation strategies for mechanically controlled repositories: the case of The National Archives, Kew", *Atm. Env.*, 49 (2012) 163-170.
53. A. Martins, L. A. Daffner, A. Fenech, Ch. McGlinchey, M. Strlič: "Non Destructive Dating of Fiber Base Gelatin Silver Prints Using Near Infrared Spectroscopy and Multivariate Analysis", *Anal. Bioanal. Chem.*, 402 (2012) 1459-1469.
54. A. Fenech, M. Strlič, M. Cassar: "The Past and the Future of Chromogenic Colour Photographs: Lifetime Modelling Using Near Infrared Spectroscopy & Enhancement Using Hypoxia", *Appl. Phys. A*, 106 (2012) 411-417.

55. A. Možir, L. Gonzalez, I. Kralj Cigić, T. J. Wess, I. Rabin, O. Hahn, M. Strlič: "A Study of Degradation of Historic Parchment Using Small-Angle X-Ray Scattering, Synchrotron-IR, and Multivariate Data Analysis", *Anal. Bioanal. Chem.*, 402 (2012) 1559-1566.
56. D. Rusjan, M. Strlic, T. Kosmerl, H. Prosen: "Contribution of Enzyme Preparations to the Linalool Content of Wines Made from Non-aromatic Grape Variety 'Furmint' (*Vitis vinifera* L.)", *J. Int. Sci. Vigne Vin*, 46 (2012) 139-143.
57. E. Menart, G. De Bruin, M. Strlič: "Dose-response functions for historic paper", *Polym. Degrad. Stab.*, 96 (2011) 2029-2039.
58. L. Cséfalvayová, M. Strlič, H. Karjalainen: "Quantitative NIR chemical imaging in heritage science", *Anal. Chem.*, 83 (2011), 5101-5106.
59. A. Možir, M. Strlič, T. Trafela, I. Kralj Cigić, J. Kolar, V. Deselnicu, G. de Bruin: "On oxidative degradation of parchment and its non-destructive characterisation and dating", *Appl. Phys. A*, 104 (2011) 211-217.
60. K. L. Rasmussen, J. Gunneweg, J. van der Plicht, I. Kralj Cigić, A. D. Bond, B. Svensmark, M. Balla, M. Strlič, G. Doudna: "On the age and content of Jar-35 - a sealed and intact storage jar found on the southern plateau of Qumran", *Archaeometry*, 53 (2011) 791-808.
61. V. Weingerl, M. Strlič, D. Kočar: "Evaluation of the Chemiluminometric Method for Determination of Polyphenols in Wine", *Anal. Lett.*, 44 (2011) 1310-1322.
62. M. Strlič, I. Kralj Cigić, A. Možir, G. de Bruin, J. Kolar, M. Cassar: "The Effect of Volatile Organic Compounds and Hypoxia on Paper Degradation", *Polym Degrad. Stab.*, 96 (2011) 608-615.
63. A. Fenech, M. Strlič, I. Degano, M. Cassar: "Stability of Chromogenic Colour Prints in Polluted Indoor Environments", *Polym Degrad. Stab.*, 95 (2010) 2481-2485.
64. J. Thomas, J. Townsend, S. Hackney, M. Strlič: "A chemiluminometric study of madder lakes", *Polym Degrad. Stab.*, 95 (2010) 2343-2349.
65. L. Cséfalvayová, M. Pelikan, I. Kralj Cigić, J. Kolar, M. Strlič: "Use of genetic algorithms with multivariate regression for determination of gelatine in historical papers from FT-IR and NIR spectral data", *Talanta*, 82 (2010) 1784-1790.
66. M. Strlič, I. Kralj Cigić, A. Možir, D. Thickett, G. de Bruin, J. Kolar, M. Cassar: "Test for Compatibility with Organic Heritage Materials – A Proposed Procedure", *e-Preservation Science*, 7 (2010) 78-86.
<http://www.morana-rtd.com/e-preservation-science/2010/Strlic-15-05-2010.pdf>
67. A. Fenech, M. Strlič, I. Kralj Cigić, A. Levart, L. Gibson, G. de Bruin, K. Ntanos, J. Kolar, M. Cassar: "Volatile Aldehydes in Libraries and Archives", *Atm. Environ.*, 44 (2010) 2067-2073.
68. M. Strlič, L. Cséfalvayová, J. Kolar, E. Menart, J. Kosek, C. Barry, C. Higgitt, M. Cassar: "Non-destructive characterisation of iron gall ink drawings: not such a galling problem anymore", *Talanta* 81 (2010) 412-417.
69. M. Strlič, E. Menart, I. Kralj Cigić, G. de Bruin, J. Kolar, M. Cassar: "Emission of volatiles and reactive oxygen species during degradation of iron gall ink", *Polym. Degrad. Stab.*, 95 (2010) 66-71.
70. M. Strlič, J. Thomas, T. Trafela, L. Cséfalvayová, I. Kralj Cigić, J. Kolar, M. Cassar: "Material Degradomics: on the Smell of Old Books", *Anal. Chem.* 81 (2009) 8617-8622.
71. V. Weingerl, M. Strlič, D. Kočar: "Comparison of Methods for Determination of Polyphenols in Wine by HPLC-UV/VIS, LC/MS/MS and Spectrophotometry", *Acta Chim Slov.*, 56 (2009) 698-703.
72. M. Strlič, I. Kralj Cigić, I. Rabin, J. Kolar, B. Pihlar, M. Cassar: "Autoxidation of Lipids in Parchment", *Polym. Degrad. Stab.* 94 (2009) 886-890.
73. E. Jasiukaityte, M. Kunaver, M. Strlič: "Cellulose liquefaction in acidified ethylene glycol", *Cellulose* 16 (2009) 393-405.
74. L. Urbas, P. Brne, B. Gabor, M. Barut, M. Strlič, T. Čerk Petrič, A. Štrancar: "Depletion of high-abundance proteins from human plasma using a combination of an affinity and pseudo-affinity column", *J. Chromatogr. A*, 1216 (2009) 2689-2694.
75. D. Rusjan, M. Strlič, T. Košmerl, H. Prosen: "The response of Monoterpenes to Different Enzyme Preparations in Gewürztraminer (*Vitis vinifera* L.) Wines", *S. Afr. J. Enol. Vitic.* 30 (2009) 56-64.
76. T. Vrščaj Vodošek, I. Kralj Cigić, M. Strlič, T. Košmerl: "The utilization of free amino acids during malolactic fermentation of Malvasia wine", *Riv. Viticolt. Enol.* 61 (2008) 243-254.
77. G. Ceres, V. Mirruzzo, M. Strlič, J. Kolar, V. Conte: "Imidazolium based ionic liquids in efficient treatments of iron gall inked papers", *ChemSusChem.* 1 (2008) 921-926.
78. J. Kolar, A. Možir, A. Balazic, M. Strlič, G. Ceres, V. Conte, V. Mirruzzo, T. Steemers, G. de Bruin: "New antioxidants for treatment of transition metal containing inks and pigments", *Restaurator* 29 (2008) 184-198.
79. I. Kralj Cigić, T. Vrščaj Vodošek, Tatjana Košmerl, Matija Strlič: "Amino acids quantification in the presence of sugar using HPLC and pre-column derivatization with 3-MPA/OPA and

- FMO-CI", *Acta chim. Slov.* 55 (2008) 660-664. <http://acta-arhiv.chem-soc.si/55/55-3-660.pdf>
80. D.A. Lichtblau, M. Strlič, T. Trafela, J. Kolar, M. Anders: "Determination of mechanical properties of historical paper based on NIR spectroscopy and chemometrics - a new instrument", *Appl. Phys. A*, 92 (2008) 191-195.
 81. D. Kočar, M. Strlič, J. Kolar, V.S. Šelih, B. Pihlar: "Peroxide-related chemiluminescence of cellulose and its auto-absorption", *Polym. Degrad. Stab.*, 93 (2008) 263-267.
 82. H. Prosen, D. Kočar, M. Strlič, D. Rusjan: "In vino veritas: LC-MS in wine analysis", *LC-GC Eur.*, 20 (2007) 617-621.
 83. J. Kolar, A. Možir, M. Strlič, G. de Bruin, B. Pihlar: "Stabilisation of Iron Gall Ink: Aqueous Treatment with Magnesium Phytate", *e-Preserv. Sci.*, 4 (2007) 19-24.
<http://www.morana-rtd.com/e-preservation-science/2007/Kolar-30-12-2007.pdf>
 84. M. Strlič, I. Kralj Cigić, J. Kolar, G. de Bruin, B. Pihlar: "Non-Destructive Evaluation of Historical Paper Based on pH Estimation from VOC Emissions", *Sensors*, 7 (2007) 3136-3145. <http://www.mdpi.org/sensors/papers/s7123136.pdf>
 85. T. Trafela, M. Strlič, J. Kolar, D.A. Lichtblau, M. Anders, D. Pucko Mencigar, B. Pihlar: "Non-destructive analysis and dating of historical paper based on IR spectroscopy and chemometric data evaluation", *Anal. Chem.*, 79 (2007) 6319-6323.
 86. V.S. Šelih, M. Strlič, J. Kolar, B. Pihlar: "The role of transition metals in oxidative degradation of cellulose", *Polym. Degrad. Stab.*, 92 (2007) 1476-1481.
 87. D. Rusjan, M. Strlič, D. Pucko, Z. Korošec-Koruza: "Copper accumulation in Sub-Mediterranean vineyards of Slovenia", *Geoderma*, 137 (2007) 111-118.
 88. I. Arčon, J. Kolar, A. Kodre, D. Hanžel, M. Strlič: "XANES analysis of Fe valence in iron gall inks", *X-Ray Spectrom.*, 36 (2007) 199-205.
 89. H. Prosen, L. Janeš, M. Strlič, D. Rusjan, D. Kočar: "Analysis of Free and Bound Aroma Compounds in Grape Berries Using Headspace Solid-Phase Microextraction with GC-MS and a Preliminary Study of Solid-Phase Extraction with LC-MS", *Acta Chim. Slov.*, 54 (2007), 25-32.
<http://acta-arhiv.chem-soc.si/54/54-1-25.pdf>
 90. M. Góra, M. Pircher, E. Götzinger, T. Bajraszewski, M. Strlič, J. Kolar, Ch. K. Hitzenberger, P. Targowski: "Optical Coherence Tomography for Examination of Parchment Degradation", *Laser Chemistry*, 2006 (2006) article ID 68679.
<http://www.hindawi.com/GetPDF.aspx?doi=10.1155/2006/68679>
 91. D. Rusjan, M. Strlič, D. Pucko, V. S. Šelih, Z. Korošec-Koruza: "Vineyard soil characteristics related to content of transition metals in a sub-Mediterranean winegrowing region of Slovenia", *Geoderma*, 136 (2006) 930-936.
 92. J. Rychlý, L. Matisová-Rychlá, M. Lazár, I. Janigová, M. Strlič, D. Kočar, J. Hanus: "Thermal oxidation of cellulose investigated by chemiluminescence. The effect of magnesium and calcium carbonates and of different pH", *Comptes Rendus*, 9 (2006) 1425-1432.
 93. M. Šala, J. Kolar, M. Strlič, M. Kočevar: "Synthesis of myo-inositol-1,2,3-tris- and 1,2,3,5-tetrakis(dihydrogen phosphate)s as a tool for the inhibition of iron-gall-ink corrosion", *Carbohydr. Res.* 341 (2006) 897-902.
 94. I. Kralj Cigić, M. Strlič, A. Schreiber, M. Kocjančič, B. Pihlar: "Ochratoxin A in wine: its determination and photo-stability", *Anal. Lett.* 39 (2006) 1476-1488.
 95. M. Budnar, M. Uršič, J. Simčič, P. Pelicon, J. Kolar, V. S. Šelih, M. Strlič: "Analysis of iron gall inks by PIXE", *NIM B: Beam Inter. Mater. Atoms*, B243 (2006) 407-416.
 96. J. Kolar, A. Štolfa, M. Strlič, M. Pompe, B. Pihlar, M. Budnar, J. Simčič, B. Reissland: "Historical iron gall ink containing documents - Properties affecting their condition", *Anal. Chim. Acta*, 555 (2006) 167-174.
 97. J. Malešič, J. Kolar, M. Strlič, S. Polanc: "The influence of halide and pseudo-halide antioxidants in Fenton-like reaction systems", *Acta Chim. Slov.*, 53 (2006) 450-456.
<http://acta-arhiv.chem-soc.si/53/53-4-450.pdf>
 98. M. Strlič, B. Pihlar, L. Mauko, J. Kolar, S. Hočevar, B. Ogorevc: "A new electrode for micro-determination of paper pH", *Restaurator*, 26 (2005) 159-171.
 99. J. Kolar, M. Šala, M. Strlič, V. S. Šelih: "Stabilisation of paper containing iron-gall ink with current aqueous processes", *Restaurator*, 26 (2005) 181-189.
 100. J. Malešič, M. Strlič, J. Kolar, S. Polanc: "The influence of halide and pseudo-halide antioxidants in Fenton-like reaction systems containing copper(II) ions", *Journal of Molecular Catalysis A: Chemical*, 241 (2005) 126-132.
 101. M. Strlič, V. S. Šelih, J. Kolar, D. Kočar, B. Pihlar, R. Ostrowski, J. Marczak, M. Strzelec, M. Marinček, T. Vuorinen, L. S. Johansson: "Optimisation and on-line acoustic monitoring of laser cleaning of paper", *Appl. Phys. A*, 81 (2005) 943-951.

102. J. Malešič, J. Kolar, M. Strlič, S. Polanc: "The use of halides for stabilisation of iron gall ink containing paper – the pronounced effect of cation", *e-Preservation Science*, 2 (2005) 13-18.
<http://www.morana-rtd.com/e-preservation-science/2005/Malesic-01-05-2005.pdf>
103. J. Malešič, J. Kolar, M. Strlič, D. Kocar, D. Fromageot, J. Lemaire, O. Haillant: "Photo-induced degradation of cellulose", *Polym. Degrad. Stab.*, 89 (2005) 64-69.
104. D. Kočar, M. Strlič, J. Kolar, J. Rychlý, L. Matisová-Rychlá, B. Pihlar: "Chemiluminescence from paper III. The effect of superoxide anion and water", *Polym. Degrad. Stab.*, 88 (2005) 407-414.
105. J. Kolar, M. Strlič: "Evaluation of stabilization of iron gall ink corrosion: new analytical methodology", *Restaurator*, 25 (2004) 94-103.
106. M. Strlič, J. Kolar, D. Kočar, T. Drnovsek, V.-S. Selih, R. Susic, B. Pihlar: "What is the pH of alkaline paper?", *e-Preservation Science*, 1 (2004) 35-47.
<http://www.morana-rtd.com/e-preservation-science/2004/Strlic-03-06-2004.pdf>
107. D. Kocar, J. L. Pedersoli, M. Strlič, J. Kolar, J. Rychlý, L. Matisová-Rychlá: "Chemiluminescence from paper II. The effect of sample crystallinity, morphology and size", *Polym. Degrad. Stab.*, 86 (2004) 269-274.
108. J. Rychlý, L. Matisová-Rychlá, M. Lazár, K. Slovák, M. Strlič, D. Kočar, J. Kolar: "Thermal oxidation of cellulose investigated by chemiluminescence and the effect of water at temperatures above 100 °C", *Carbohydr. Polym.*, 58 (2004) 301-309.
109. M. Budnar, J. Simcic, Z. Rupnik, M. Ursic, P. Pelicon, J. Kolar, M. Strlič: "In-air PIXE set-up for automatic analysis of historical document inks", *NIM B: Beam Inter. Mater. Atoms*, 219-220 (2004) 41-47.
110. M. Strlič, J. Kolar, V.-S. Selih, D. Kočar, B. Pihlar: "A comparative study of several transition metals in Fenton-like reaction systems at circum-neutral pH", *Acta Chim. Slov.*, 50 (2003) 619-632. <http://acta-arhiv.chem-soc.si/50/50-4-619.pdf>
111. J. Kolar, M. Strlič, M. Budnar, J. Malesic, V. S. Selih, J. Simcic: "Stabilisation of corrosive iron gall inks", *Acta Chim. Slov.*, 50 (2003) 763-770. <http://acta-arhiv.chem-soc.si/50/50-4-763.pdf>
112. M. Strlič, J. Kolar: "Size Exclusion Chromatography of cellulose in LiCl/DMAc. A Review.", *J. Biochem. Biophys. Meth.*, 56 (2003) 265-279.
113. M. Strlič, D. Kočar, J. Kolar, J. Rychlý, B. Pihlar: "Degradation of pullulans of narrow molecular weight distribution – the role of aldehydes in the oxidation of polysaccharides", *Carbohydr. Polym.*, 54 (2003) 221-228.
114. J. Kolar, M. Strlič, D. Müller-Hess, A. Gruber, K. Troschke, S. Pentzien, W. Kautek: "Laser cleaning of paper using Nd:YAG laser running at 532 nm", *J. Cult. Herit., Suppl.* 1, 4 (2003) 185-187.
115. M. Strlič, J. Kolar, V.-S. Selih, M. Marincek: "Surface modification during Nd:YAG (1064 nm) pulsed laser cleaning of organic fibrous materials", *Appl. Surf. Sci.*, 207 (2003) 236-245.
116. D. Kočar, M. Strlič, J. Kolar, B. Pihlar: "A new method for determination of hydroperoxides in cellulose", *Anal. Bioanal. Chem.*, 374 (2002) 1218-1222.
117. M. Strlič, T. Radovič, J. Kolar, B. Pihlar: "Anti- and pro-oxidative properties of gallic acid in Fenton-like systems", *J. Agric. Food Chem.*, 50 (2002) 6313-6317.
118. J. Rychly, M. Strlič, L. Matisova-Rychla, J. Kolar: "Chemiluminescence from paper. I. Kinetic analysis of thermal oxidation of cellulose", *Polym. Degrad. Stab.*, 78 (2002) 357-356.
119. J. Malesic, J. Kolar, M. Strlič: "Effect of pH and Carbonyls on the Degradation of Alkaline Paper", *Restaurator*, 23 (2002) 145-153.
120. J. Dolenc, B. Šket, M. Strlič: "Are quinone methides responsible for yellowing of paper in light?", *Tetrahedron Lett.*, 43 (2002) 5669-5671.
121. J. Kolar, M. Strlič, M. Marincek: "IR Pulsed Laser Light Interaction with soiled cellulose and paper", *Appl Phys A*, 75 (2002) 673-676.
122. M. Strlič, J. Kolenc, J. Kolar, B. Pihlar: "Enthalpic interactions in size exclusion chromatography of pullulan and cellulose in LiCl/DMAc", *J. Chromatogr. A*, 964 (2002) 47-54.
123. M. Strlič, J. Kolar, B. Pihlar: "Some preventive cellulose antioxidants studied by an aromatic hydroxylation assay", *Polym. Degrad. Stab.*, 72 (2001) 535-539.
124. M. Strlič, J. Kolar, B. Pihlar, J. Rychlý, L. Matisova-Rychlá: "Initial degradation processes of cellulose at elevated temperatures revisited - chemiluminescence evidence", *Polym. Degrad. Stab.*, 72 (2001) 157-162.
125. J. Kolar, M. Strlič, B. Pihlar: "A new colourimetric method for determination of hydroxyl radicals during ageing of cellulose", *Anal. Chim. Acta*, 431 (2001) 313-319.
126. J. Kolar, M. Strlič, S. Pentzien, W. Kautek: "Near-UV, visible and IR pulsed laser light interaction with cellulose", *Appl Phys A*, 71 (2000) 87-90.

127. J. Rychlý, L. Matisova-Rychlá, M. Strlič: "Kinetic Aspects of Chemiluminescence Response to Periodic Changes of Temperature during Thermal Treatment of Cellulose". *Polym. Int.*, 49 (2000) 981-986.
128. M. Strlič, J. Kolar, B. Pihlar, J. Rychlý, L. Matisova-Rychlá: "Chemiluminescence during thermal and thermo-oxidative degradation of cellulose". *Eur. Polym. J.*, 36 (2000) 2351-2358.
129. J. Kolar, M. Strlič, M. Marinček: "The Effect of Nd:YAG Laser Radiation at 1064 nm on Paper", *Restaurator*, 21(2000) 9-18.
130. M. Strlič, J. Kolar, B. Pihlar: "The Effect of Metal Ion, pH and Temperature on the Yield of Oxidising Species in a Fenton-like System Determined by Aromatic Hydroxylation", *Acta Chim. Slov.*, 46 (1999) 555-566. <http://acta-arhiv.chem-soc.si/46/46-4-555.pdf>
131. M. Strlič, J. Kolar, M. Zigon, B. Pihlar: "Evaluation of Size-exclusion Chromatography and Viscometry for the Determination of Molecular Masses of Oxidised Cellulose". *J. Chromatogr. A*, 805 (1998) 93-99.
132. J. Kolar, M. Strlič, G. Novak, B. Pihlar: "Aging and Stabilization of Alkaline Paper", *J. Pulp Pap. Sci.*, 24(1998) 89-94.
133. M. Strlič, B. Pihlar: "Determination of Reducing Carbonyl Groups in Cellulose in the Solvent System LiCl/N,N-Dimethylacetamide", *Fres. J. Anal. Chem.*, 75(1997) 670-675.

Book Chapters (peer reviewed):

134. M. Strlič, J. Kolar: "Recent developments in non- and micro-destructive analysis of historical paper". In: M. P. Colombini, L. Tassi (Eds): "New Trends in Analytical, Environmental and Cultural Heritage Chemistry", Kerala: Transworld Research Network, 2008, pp. 477-491.
135. M. Strlič, D. Kočar, J. Kolar: "Chemiluminometry of cellulosic materials". In: D. Argyropoulos (Ed.): "Materials, chemicals, and energy from forest biomass", ACS symposium series, vol. 954, Washington: American Chemical Society, 2007, pp. 531-545.
136. M. Strlič, J. Kolar, J. Rychly: "Paper conservation chemistry: a review of chemiluminescence studies of cellulose stability", in: J. H. Townsend, K. Eremin, A. Adriaens (Eds.): "Conservation Science 2002", Archetype publications, London, 2003.

Refereed conference papers

137. C. Bembibre, S. Barratt, L. Vera, M. Strlič: "Smelling the past: a case study for identification, analysis and archival of historic pot-pourri as a heritage smell", Preprints of the 18th International Conference of the International Council of Museums Committee for Conservation, Copenhagen, Denmark, 4-8 Sep 2017.
138. C. Duran, J. Grau-Bové, T. Fearn, M. Strlič: "Data mining in collections: from epidemiology to demography", Preprints of the 18th International Conference of the International Council of Museums Committee for Conservation, Copenhagen, Denmark, 4-8 Sep 2017.
139. H. Mahgoub, H. Chen, J. R. Gilchrist, T. Fearn, M. Strlič: "Quantitative Chemical Hyperspectral NIR Imaging of Islamic Paper", Preprints of the 18th International Conference of the International Council of Museums Committee for Conservation, Copenhagen, Denmark, 4-8 Sep 2017.
140. J. Grau-Bové, L. Mazzei, D. Thickett, C. Vlachou-Mogire, M. Strlič: "Diagrams of equal area coverage: a new method to assess dust deposition in indoor heritage environments", Preprints of the 18th International Conference of the International Council of Museums Committee for Conservation, Copenhagen, Denmark, 4-8 Sep 2017.
141. D. Naldzhiev, D. Mumovic, M. Strlič: "Method development for measuring volatile organic compound (VOC) emission rates from spray foam insulation (SPF) and their interrelationship with indoor air quality (IAQ), human health and ventilation strategies", 38th AIVC Conference, 2017 - Ventilating healthy low-energy buildings, University Of Nottingham, United Kingdom, 13-14 Sep 2017, pp. 716-727.
142. C. Dillon, W. Lindsay, J. Taylor, K. Fouseki, N. Bell, M. Strlič: "Collections demography: stakeholders' views on the lifetime of collections", Climate for Collections Conference, Munich, Doerner Institut, 7-9 November 2012, Postprints, J. Ashley-Smith, A. Burmester, M. Eibl (Eds.), Archetype, London, 2013, pp. 45-58.
143. S.H. Hong, M. Strlič, I. Ridley, K. Ntanos, N. Bell, M. Cassar: "Monitoring and Modelling the Storage Environment at The National Archives, UK", Preprints 16th Triennial Conference Lisbon, 19-23 September 2011, ICOM committee for conservation.
144. A. Fenech, M. Strlič, K. Ntanos, N. Bell, M. Cassar: "Lifetime of Chromogenic Colour Photographs in Mixed Archival Collections", Preprints 16th Triennial Conference Lisbon, 19-23 September 2011, ICOM committee for conservation.

145. M. Oriola, M. Strlič, L. Cséfalvayová, M. Odlyha, G. Campo: "Non-destructive Condition Assessment of Painting Canvases Using Near Infrared Spectroscopy" , Preprints 16th Triennial Conference Lisbon, 19-23 September 2011, ICOM committee for conservation.
146. D. Thickett, L. Csefalvayova, M. Strlič: "Smart Conservation – targeting controlled environments to improve sustainability", Preprints 16th Triennial Conference Lisbon, 19-23 September 2011, ICOM committee for conservation.
147. M. Strlič, M. Cassar, J. Kolar, D. Lichtblau, M. Anders, T. Trafela, L. Csefalvayova, G. de Bruin, B. Knight, G. Martin, J. Palm, N. Selmani, M. Chr. Christensen: "NIR/chemometrics approach to characterisation of historical paper and surveying of paper-based collections", Preprints 15th Triennial Conference New Delhi, 22-26 September 2008, ICOM committee for conservation. Volume 1. New Delhi: Allied Publishers, 2008, pp. 293-300.
148. K. von Lerber, M. Strlič, J. Kolar, J. Kruger, S. Pentzien, C. Kennedy, T. Wess, M. Sokhan, W. Kautek: "Laser cleaning of undyed silk: Indications of chemical change", Lasers in the Conservation of Artworks, Proceedings, vol. 116, 2007, pp. 313-320.
149. M. Strlič, J. Kolar: "Review of practices of aqueous paper deacidification", Preprints of the 14th Triennial Meeting, The Hague, 12-16 September 2005, ICOM Committee for Conservation, London, James & James, 2005, pp. 231-237.
150. K. von Lerber, S. Pentzien, M. Strlič, W. Kautek: "Laser cleaning of silk: a first evaluation", Preprints of the 14th Triennial Meeting, The Hague, 12-16 September 2005, ICOM Committee for Conservation, London, James & James, 2005, pp. 978-988.
151. M. Budnar, J. Simcic, M. Ursic, Z. Rupnik, J. Kolar, M. Strlic: "Determination of elemental concentrations of iron gall ink components by PIXE", Application of accelerators in research and industry, Vol. 680, 2003, pp. 436-439.