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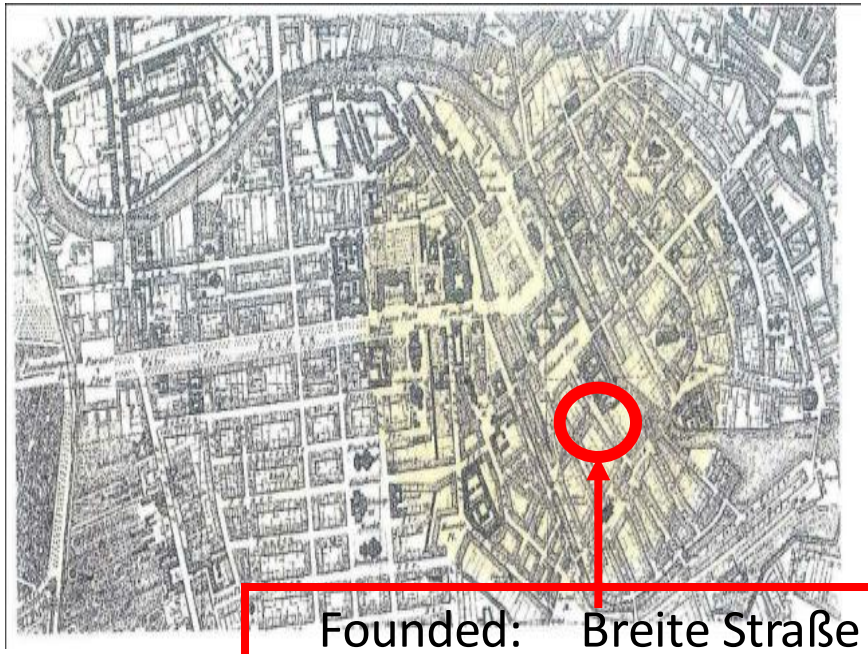

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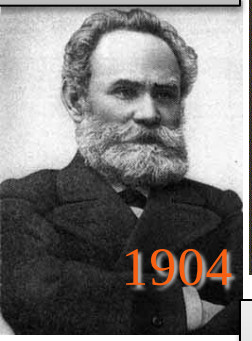

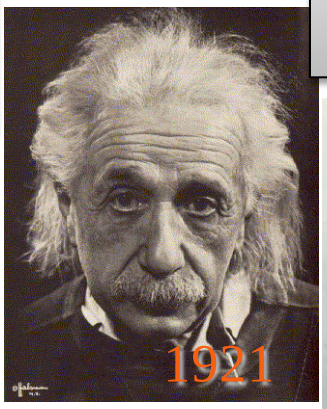

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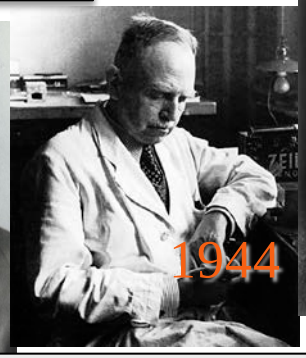

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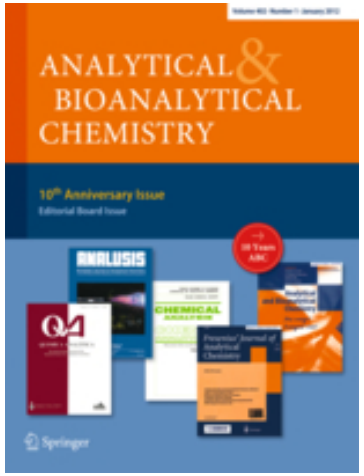

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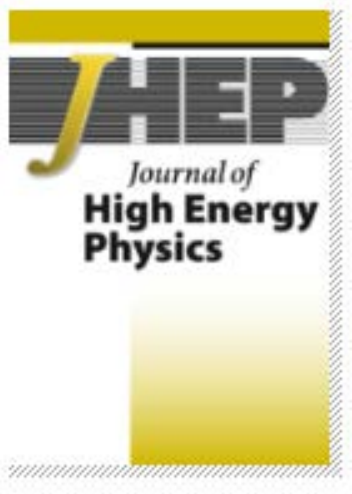

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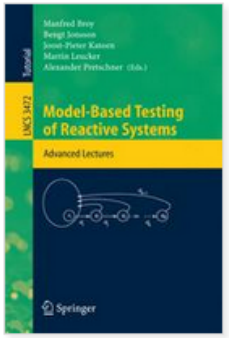

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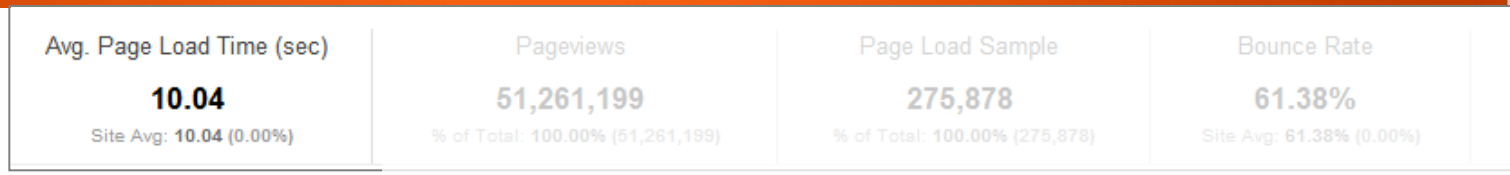

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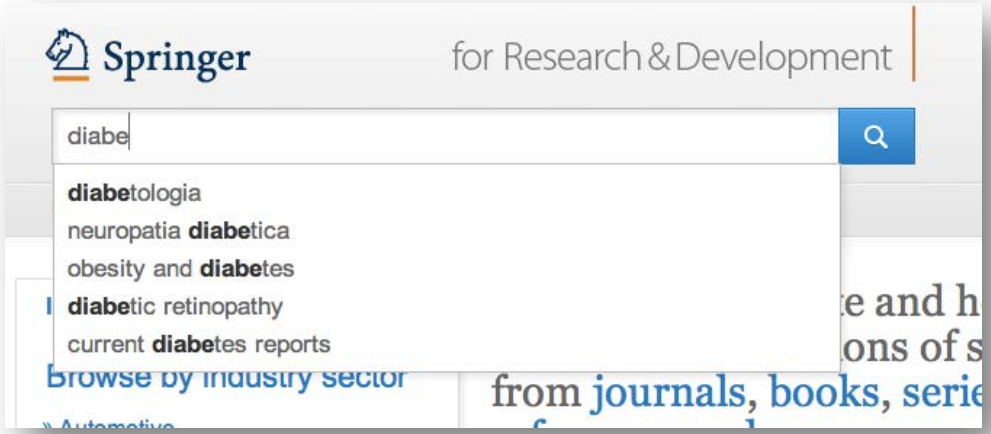

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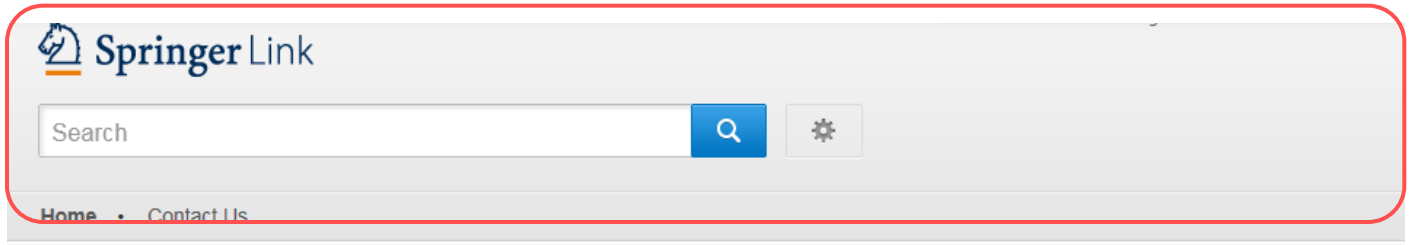

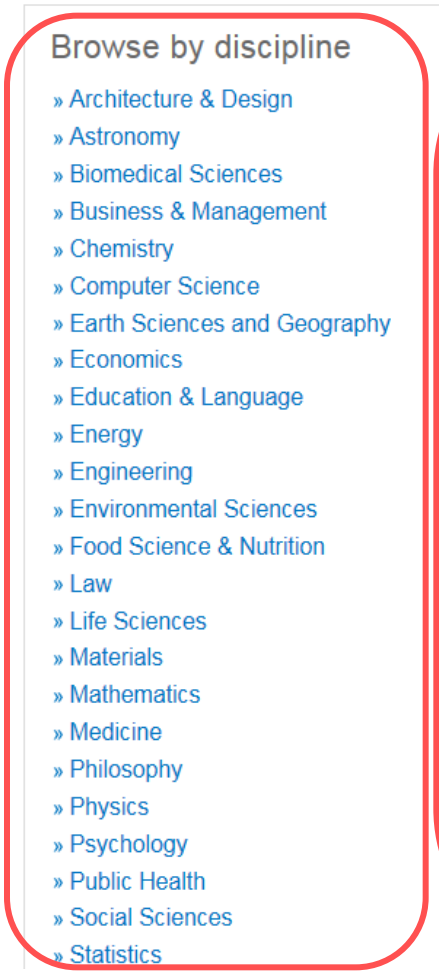

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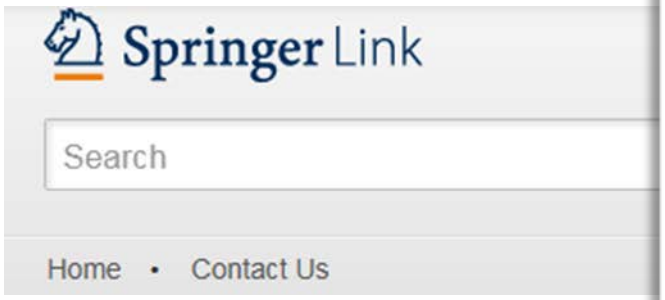

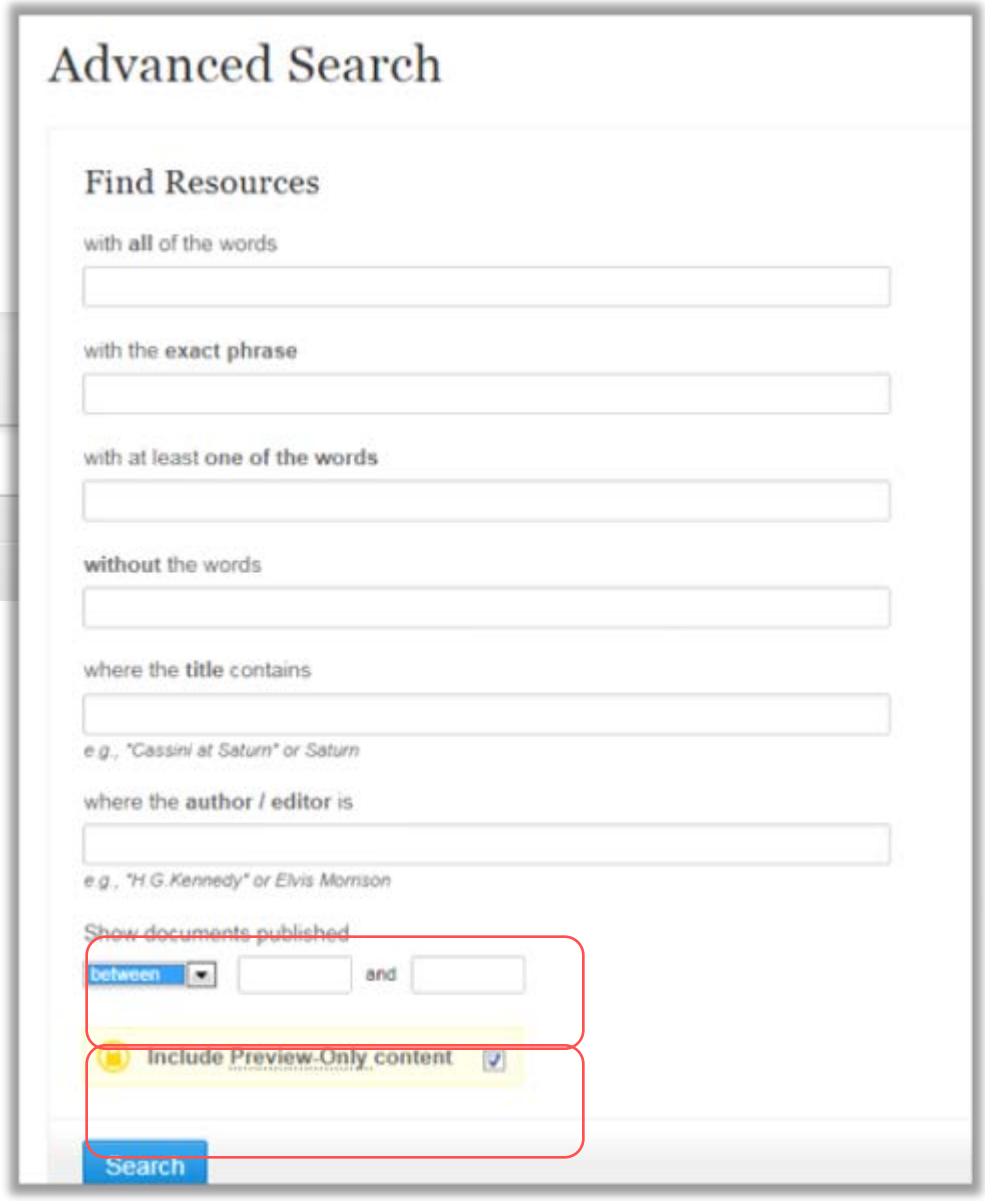

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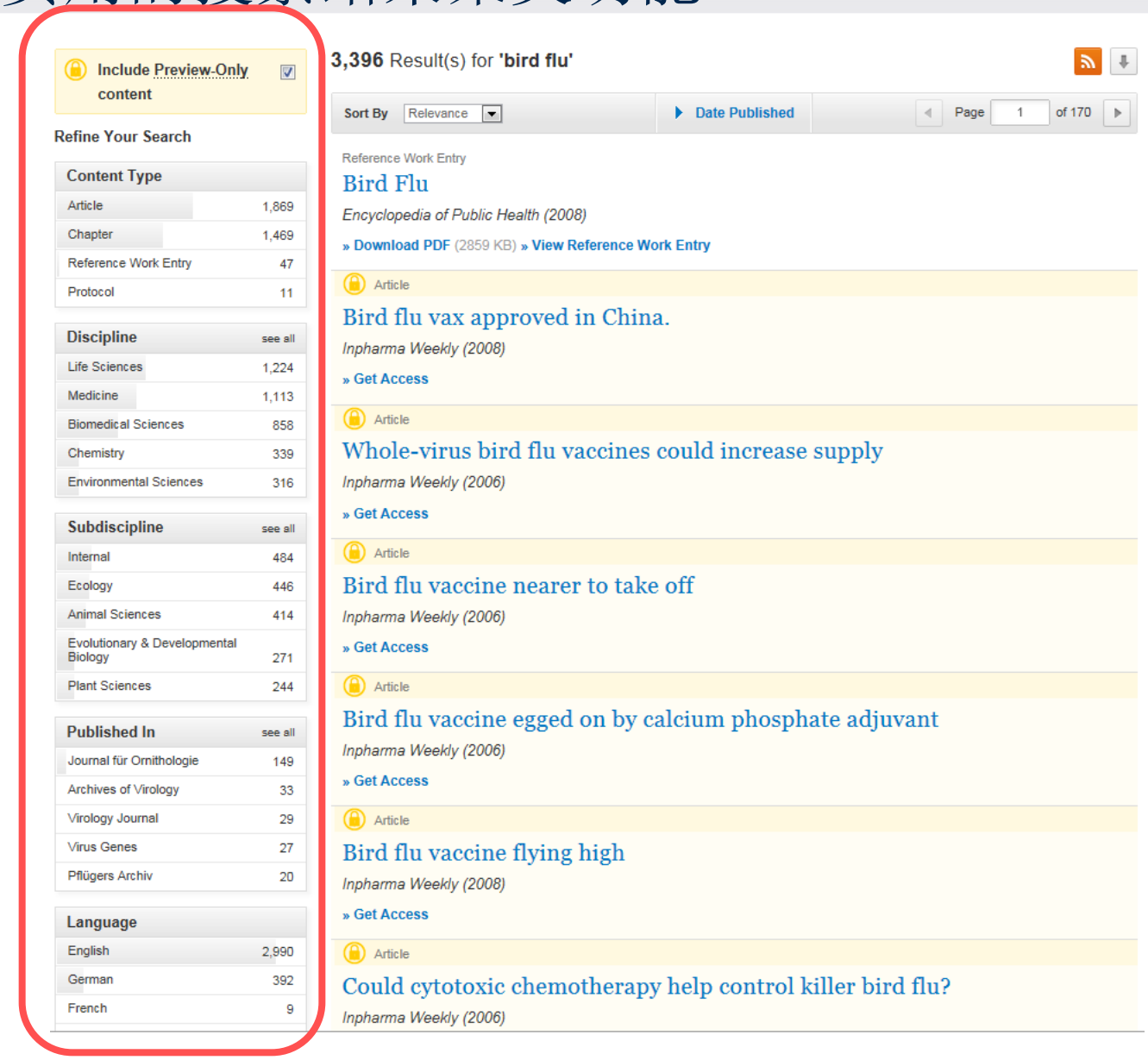

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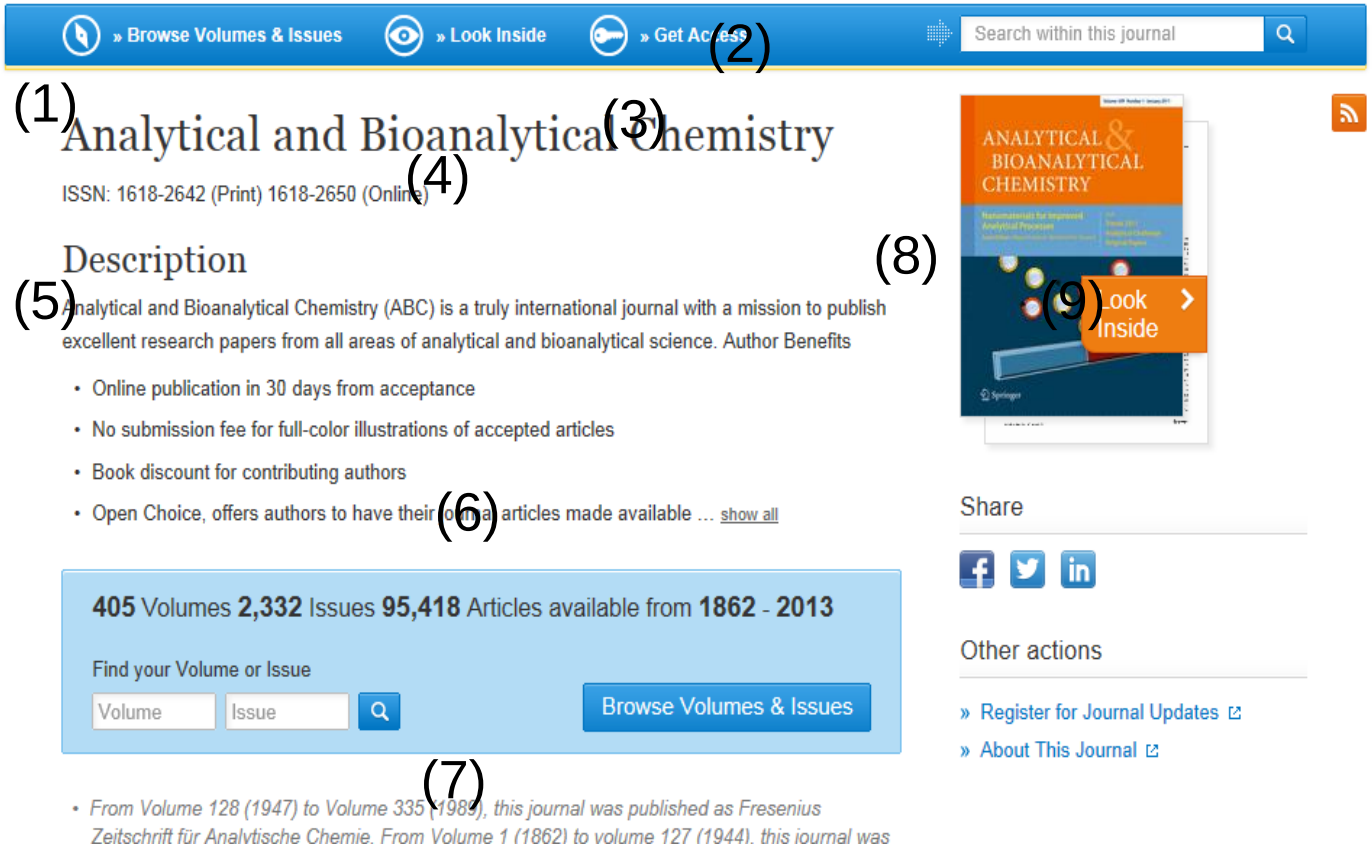

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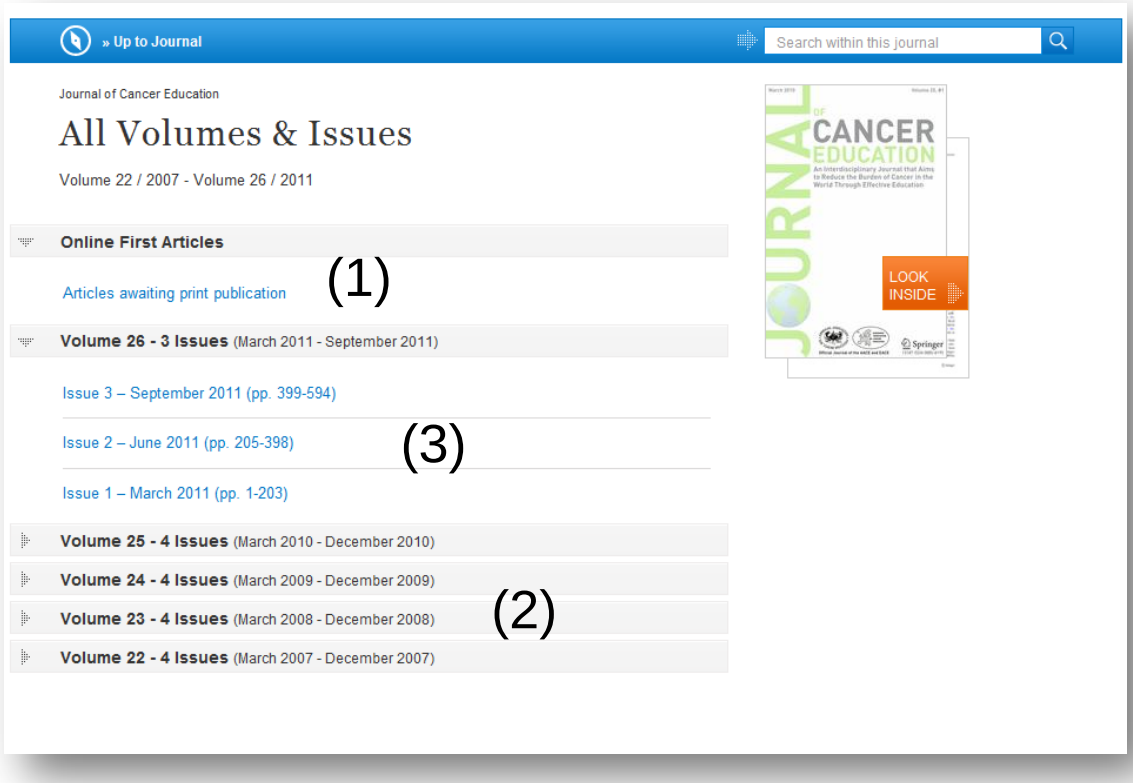

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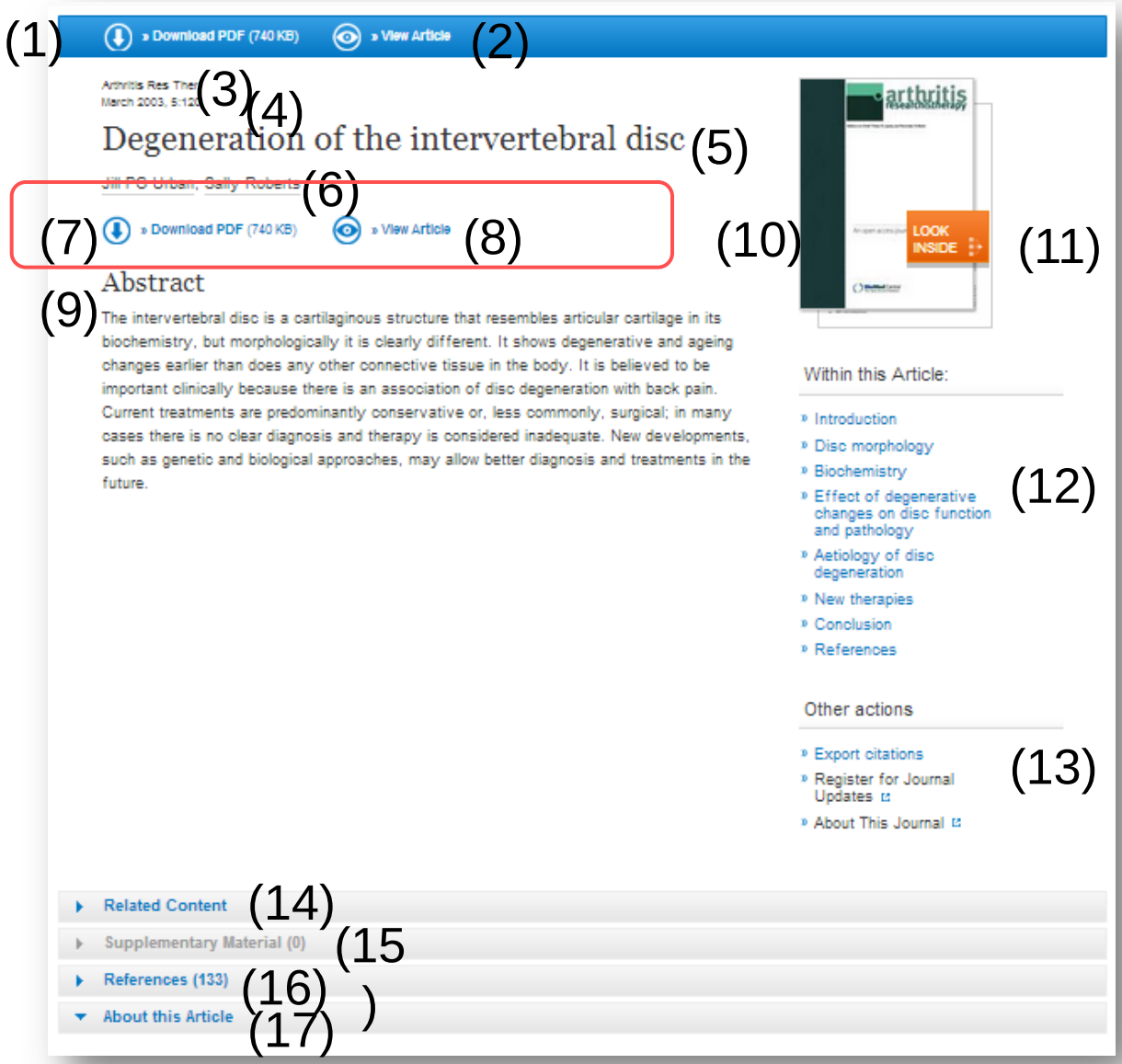

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(1) Department of Physics of Materials, Faculty of Mathema Czech Republic

(2) Department of Low Temperature Physics, Faculty of Ma Prague, Czech Republic

(3) Department of Materials Science and Engineering, POS

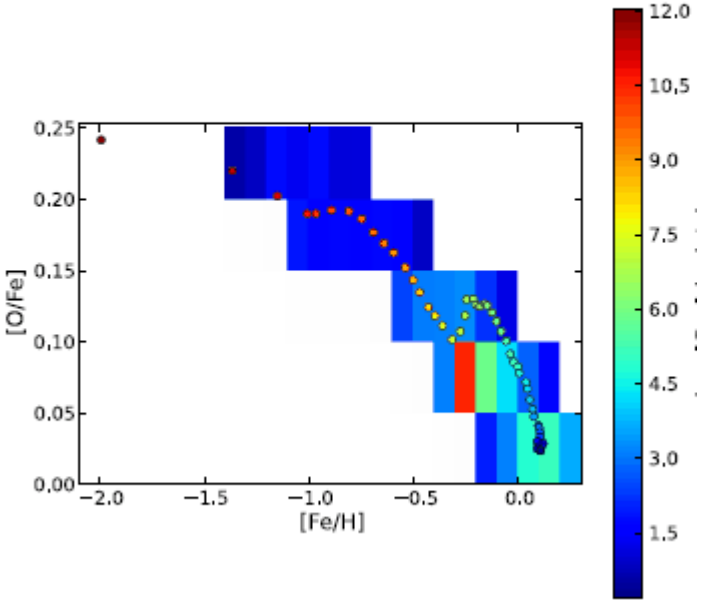
✉ **Miloš Janeček**
Email: janecek@met.mff.cuni.cz

Received: 10 November 2012
Accepted: 9 January 2013
Published online: 24 January 2013

Abstract

Commercial MgAlZn alloy AZ31 was processed by two te extrusion followed by equal channel angular pressing (EX Processing by ECAP was conducted at elevated tempera HPT was applied at room temperature, and the specimen turns (N = ¼ – 15) were prepared. Mechanical properties and HPT were investigated by Vickers microhardness me

Way-like galaxy from Stinson et al. (2013), where each par subsets in the simulations, sorted by their age: there is a cl 'young, thin, extended'



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References

1. Capua I, Alexander DJ: **Avian influenza: recent developments.** *Avian Pathol* 2004, **4:**393–404.
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2. Capua I, Alexander DJ: **The challenge of avian i**
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3. Alexander DJ: **An overview of the epidemiology**
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4. Alexander DJ: **A review of avian influenza in di**
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5. Olsen B, Munster VJ, Wallensten A, Waldenstron
2006, **5772:**384–388.
CrossRef

6. Humberd J, Guan Y, Webster RG: **Comparison**
partridges. *J Virol* 2006, **5:**2151–2161.
CrossRef

7. Perez DR, Webby RJ, Hoffmann E, Webster RG
viruses. *Avian Dis* 2003,**47**(3 Suppl)**:**1114–1117.
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8. Perkins LE, Swayne DE: **Pathobiology of A/chi**
Pathol 2001, **2:**149–164.
CrossRef

9. Jeong OM, Kim MC, Kim MJ, Kang HM, Kim HR, Kim YJ,
with the highly pathogenic H5N1 avian influenza virus. *J Vet Sci* 200
CrossRef

10. Aebisher NJ, Potts GR, Red-legged partridge: *Birds in Europe.* Edited by: Tucker, GM, Heat
International, Cambridge, UK; 1994:214–215.

11. Ministerio de Medio Ambiente, Medio Rural y Marino (MARM): **Poultry farm database from the Spanish Ministry o**
marine affairs. [http://www.mapa.es/app/Sch/documentos/Indicadores%20EconÓMicos%20Carne%20De%20Aves%202009.pdf]

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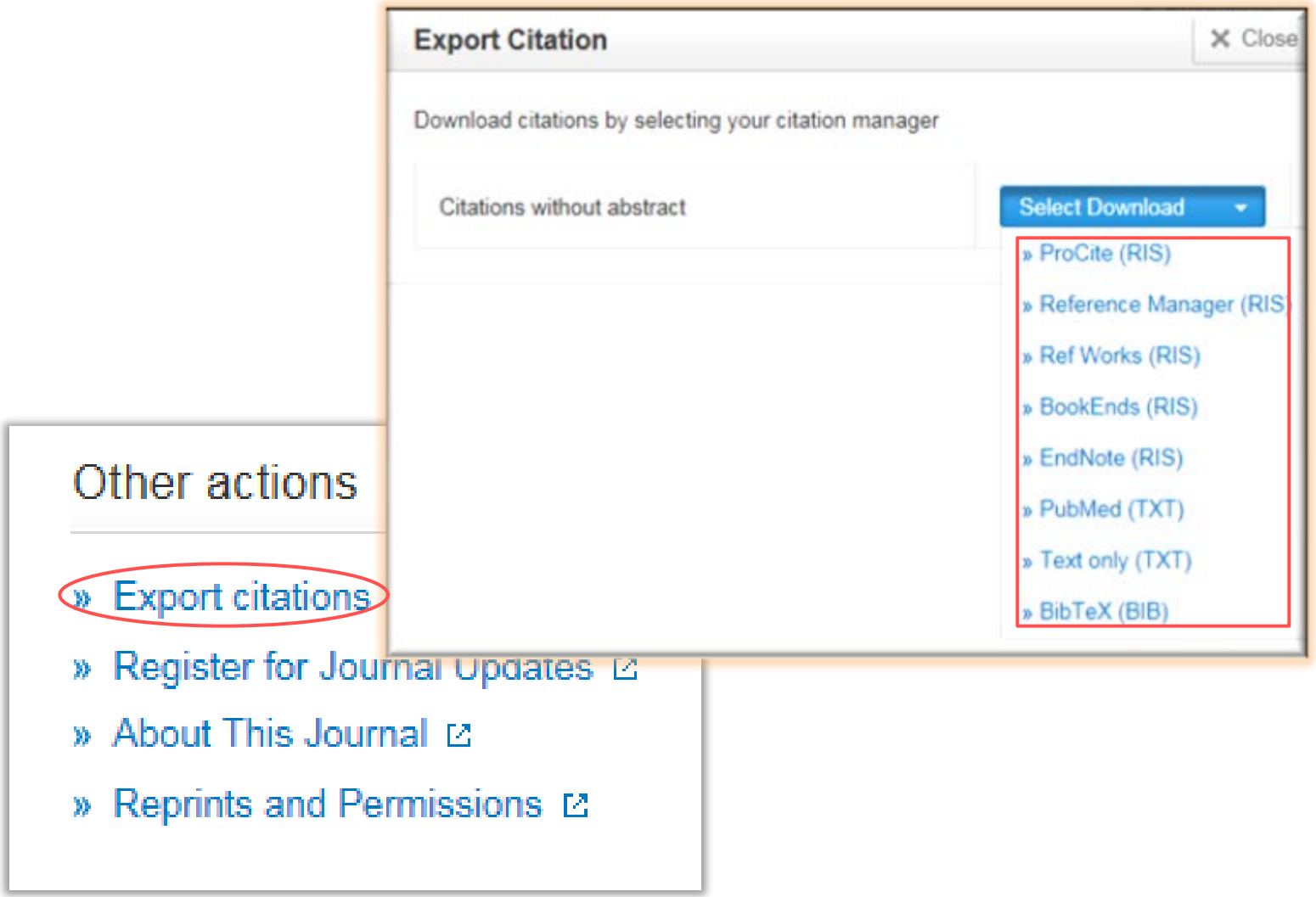
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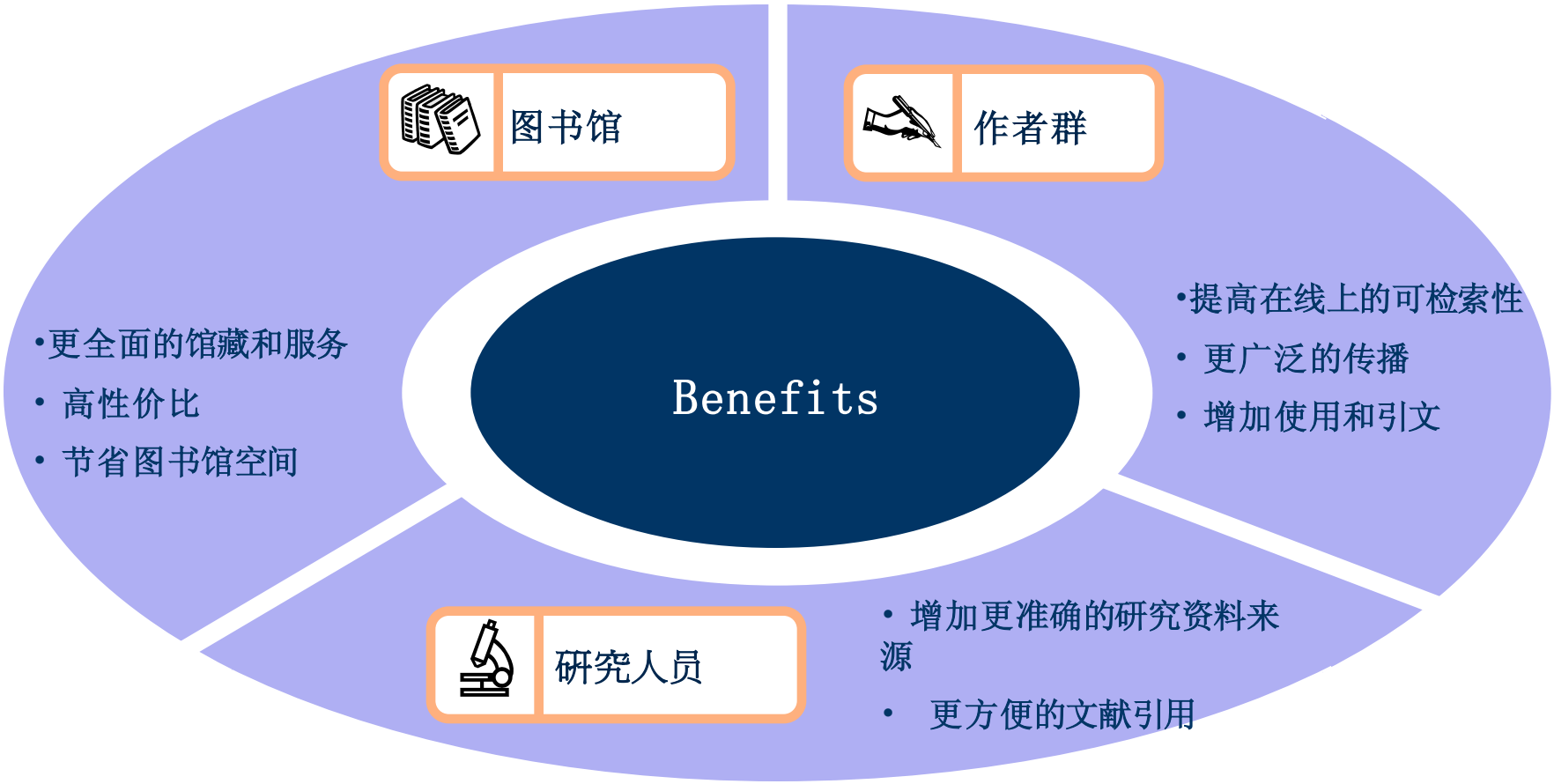
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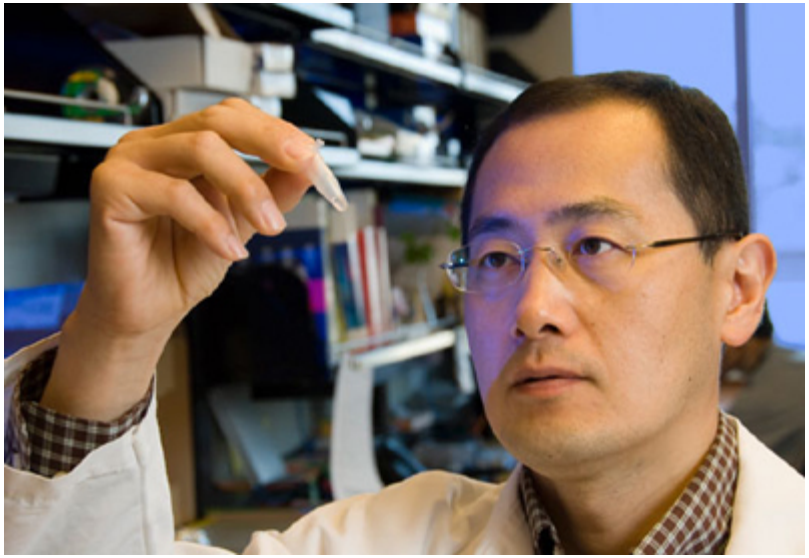

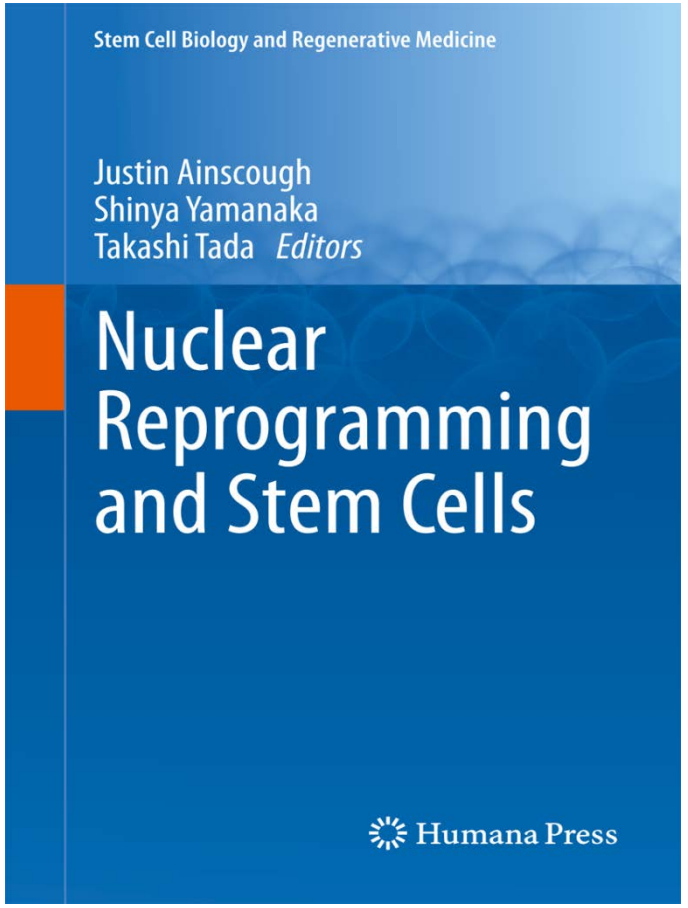

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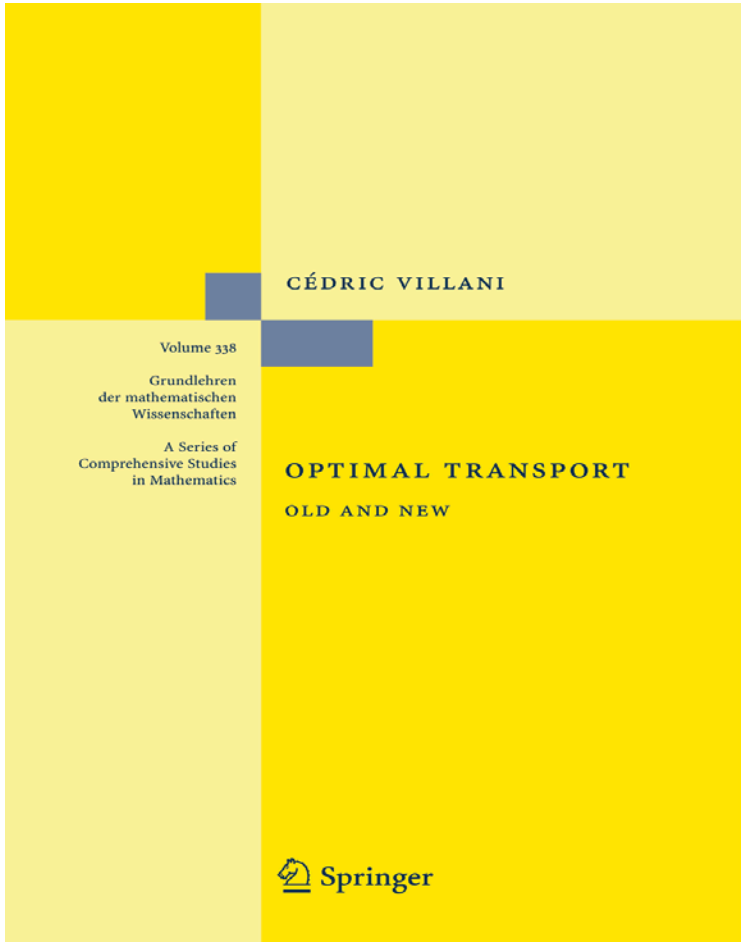

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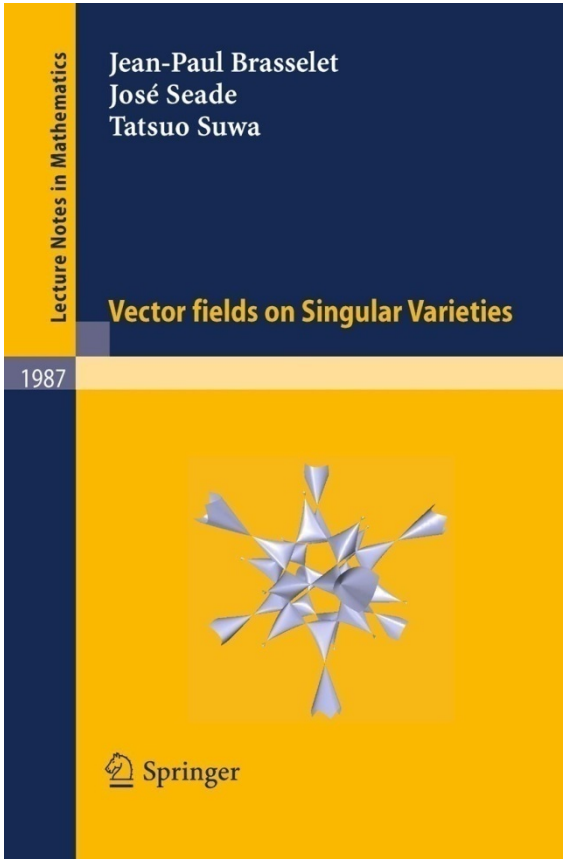

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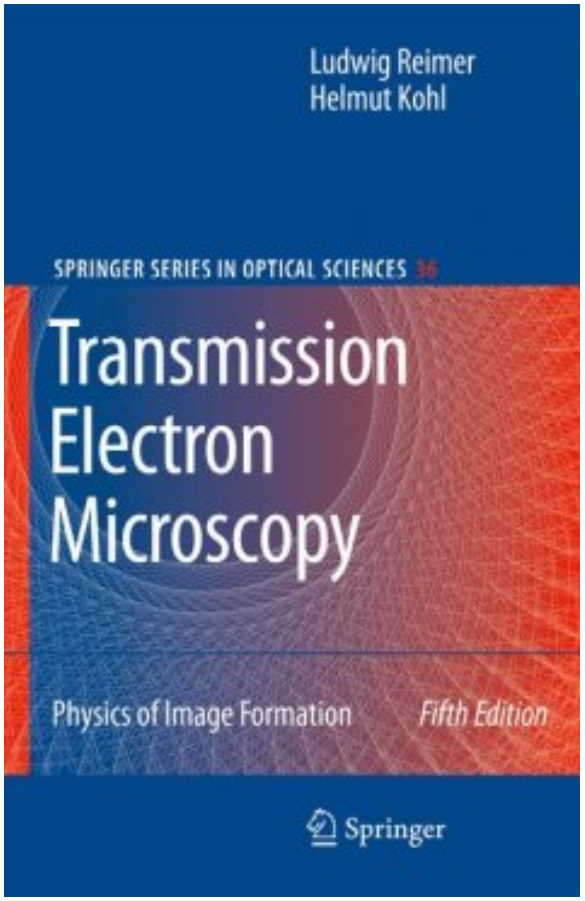

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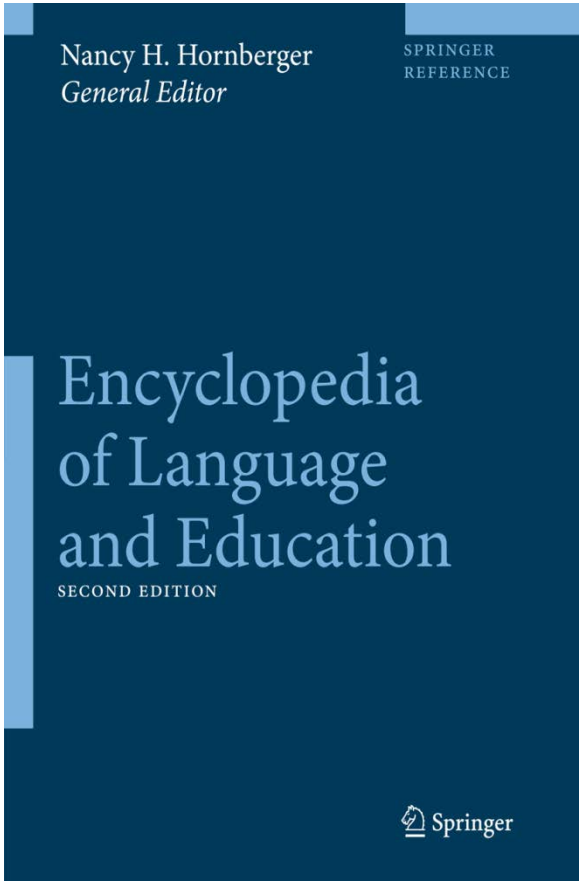

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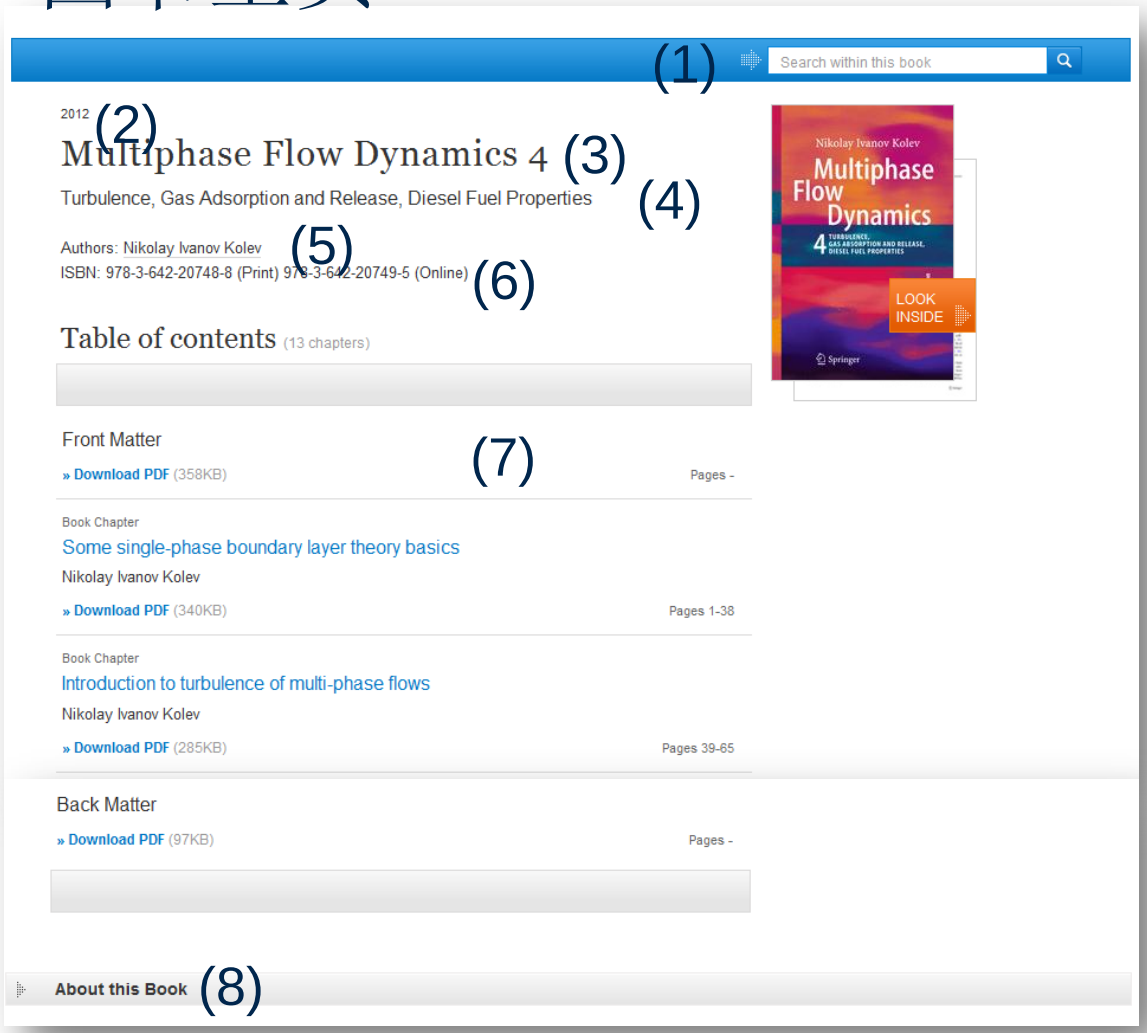

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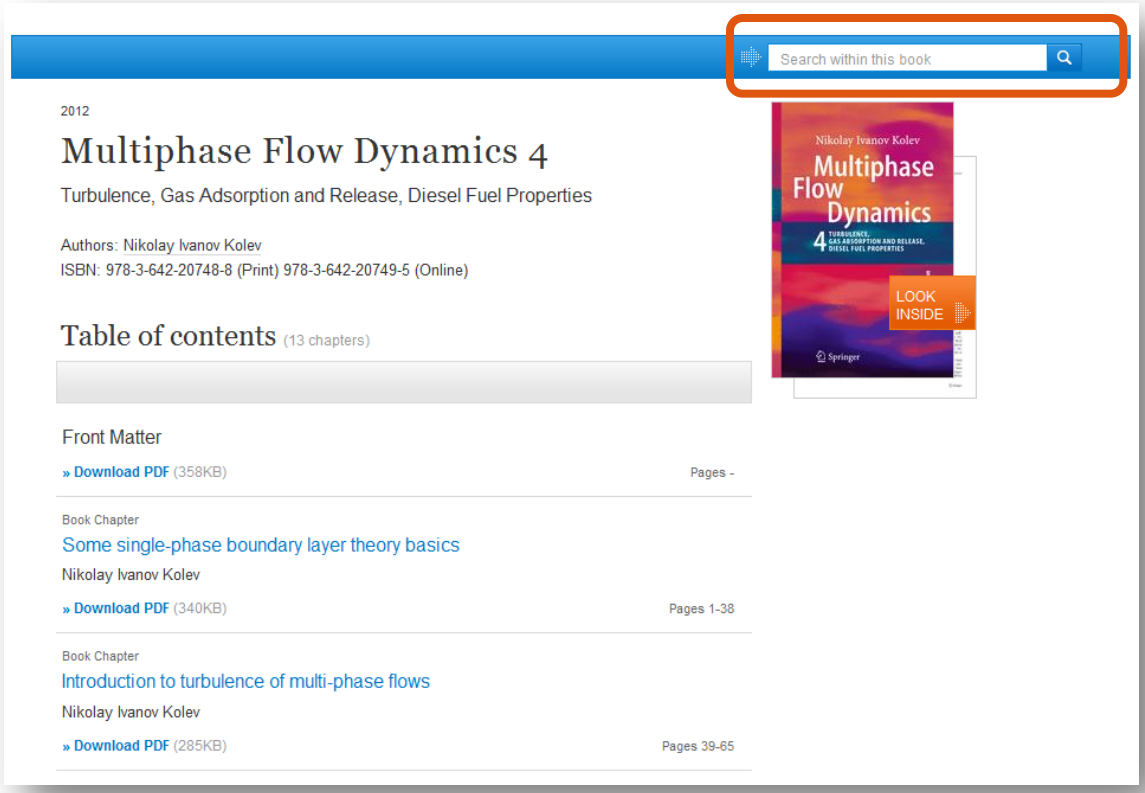

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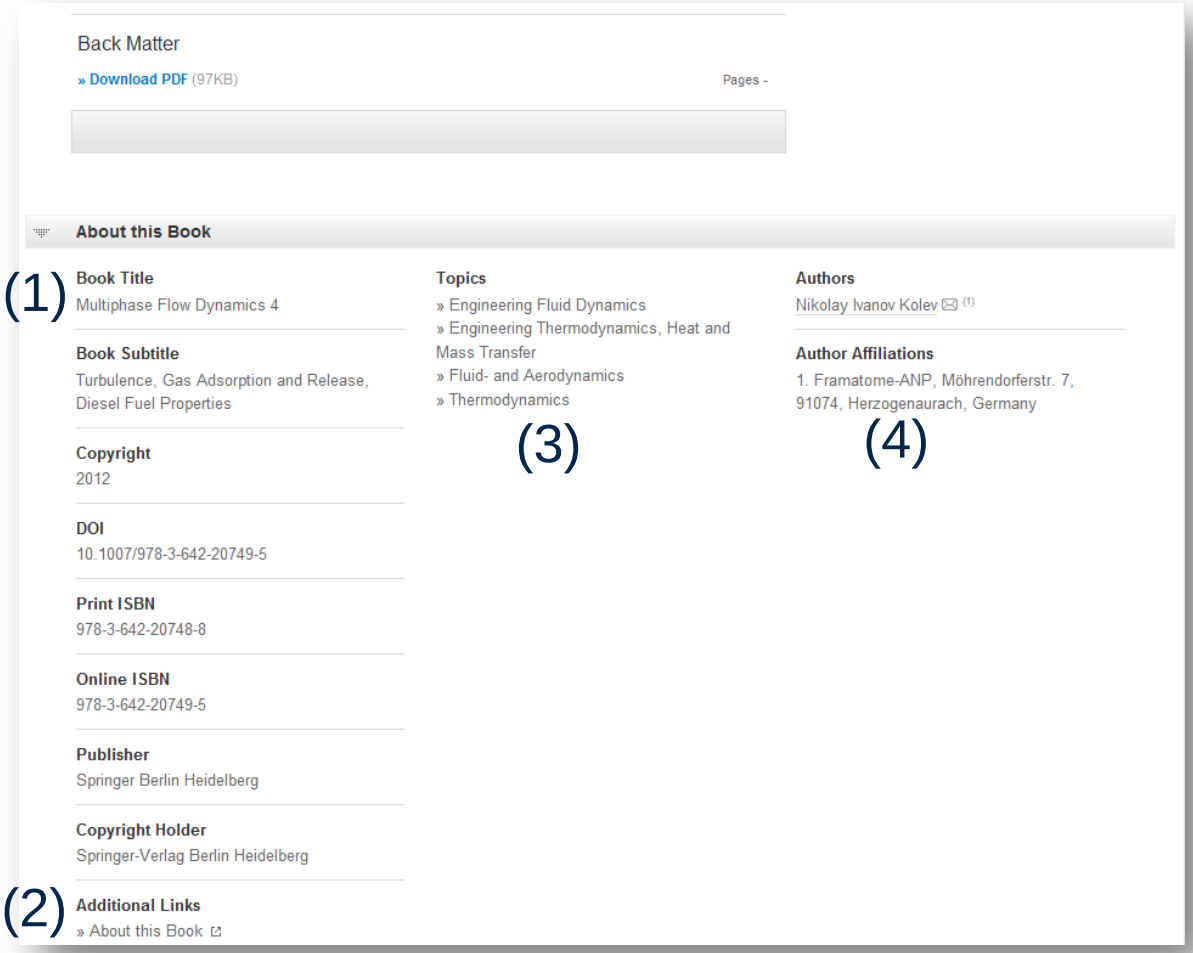

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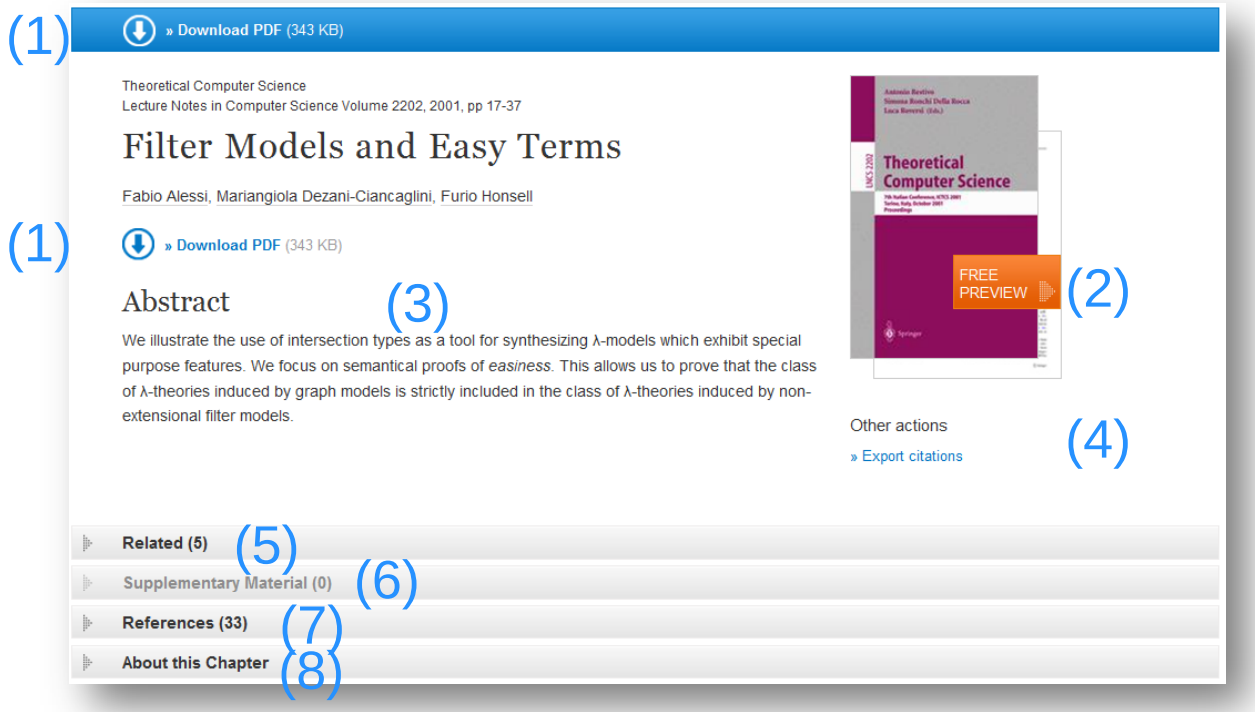

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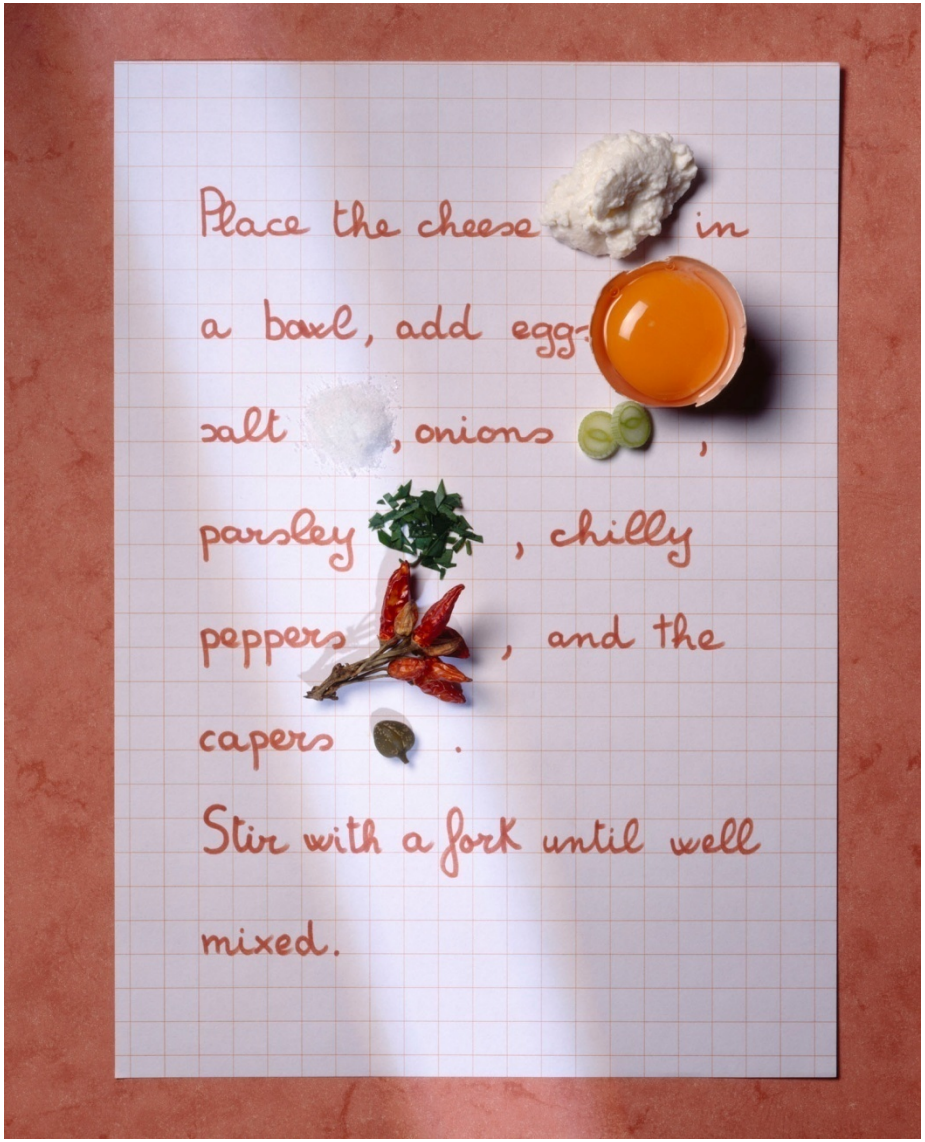
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a bowl, add egg
salt , onions ,
parsley , chilly
peppers , and the
capers .
Stir with a fork until well
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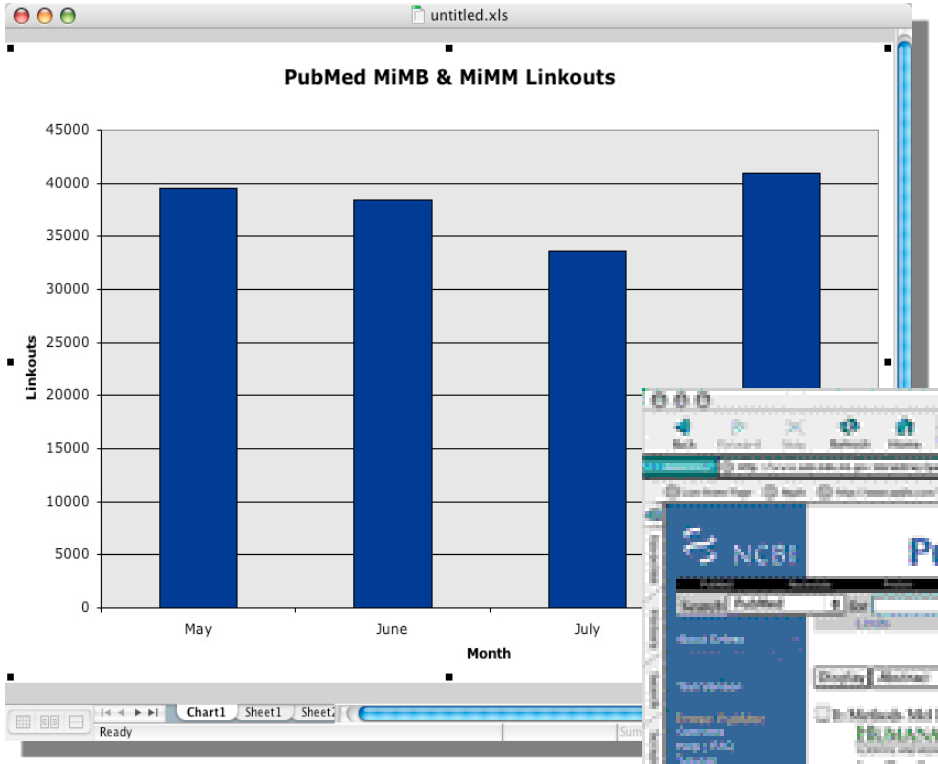

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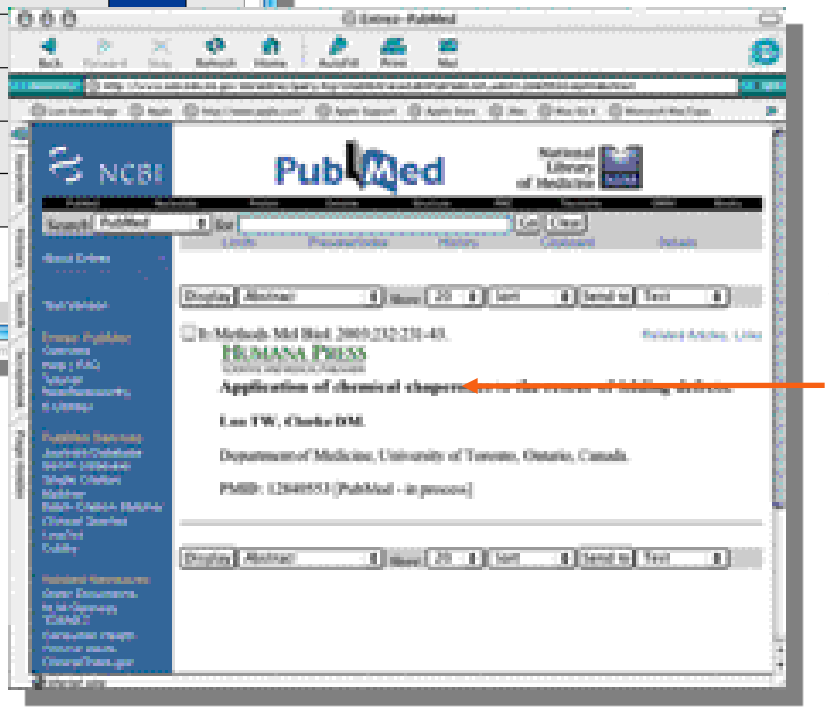

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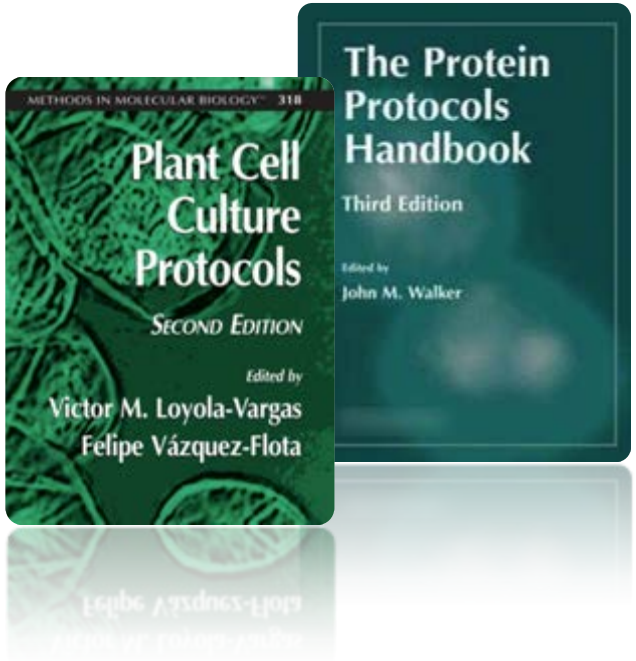

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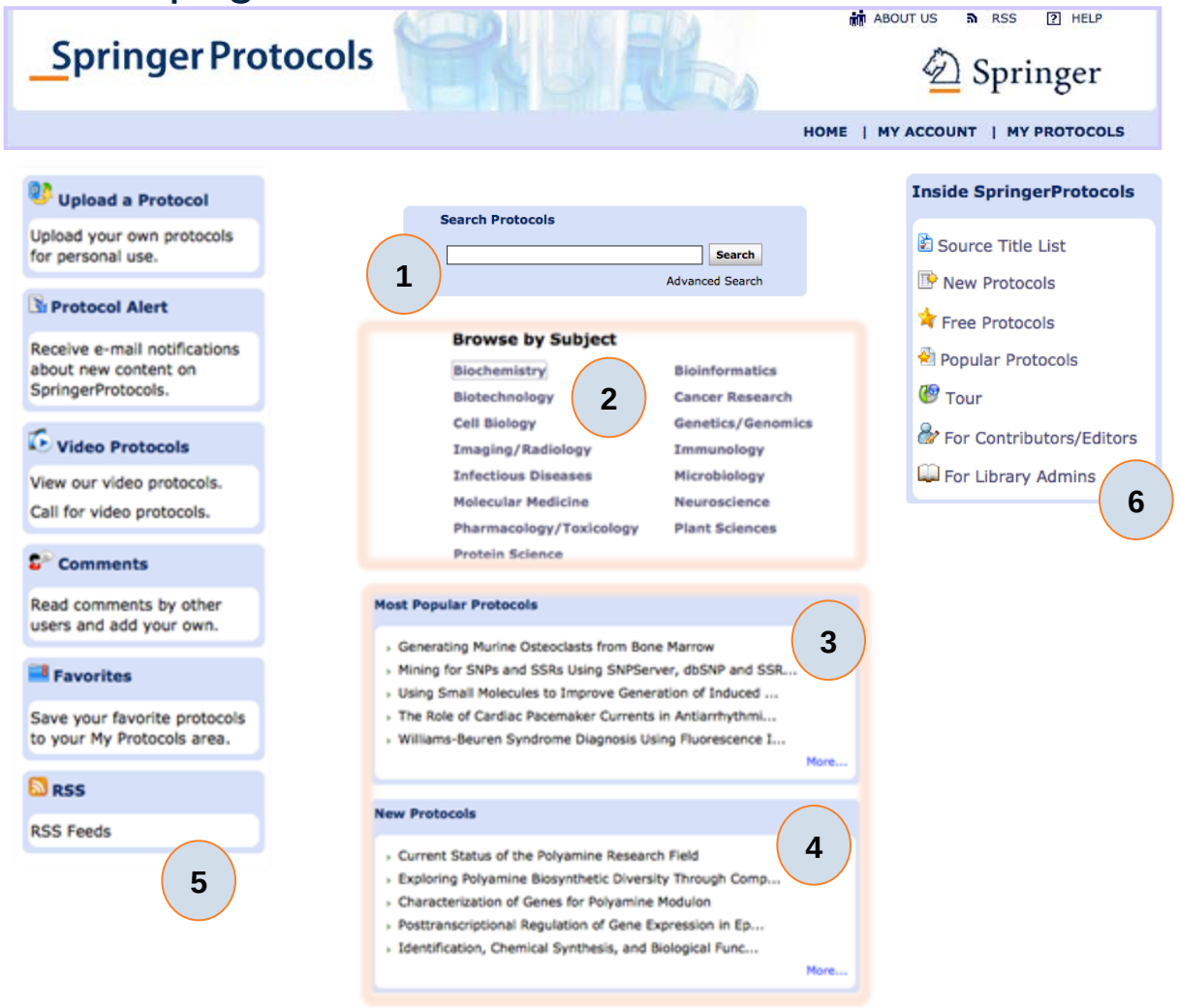

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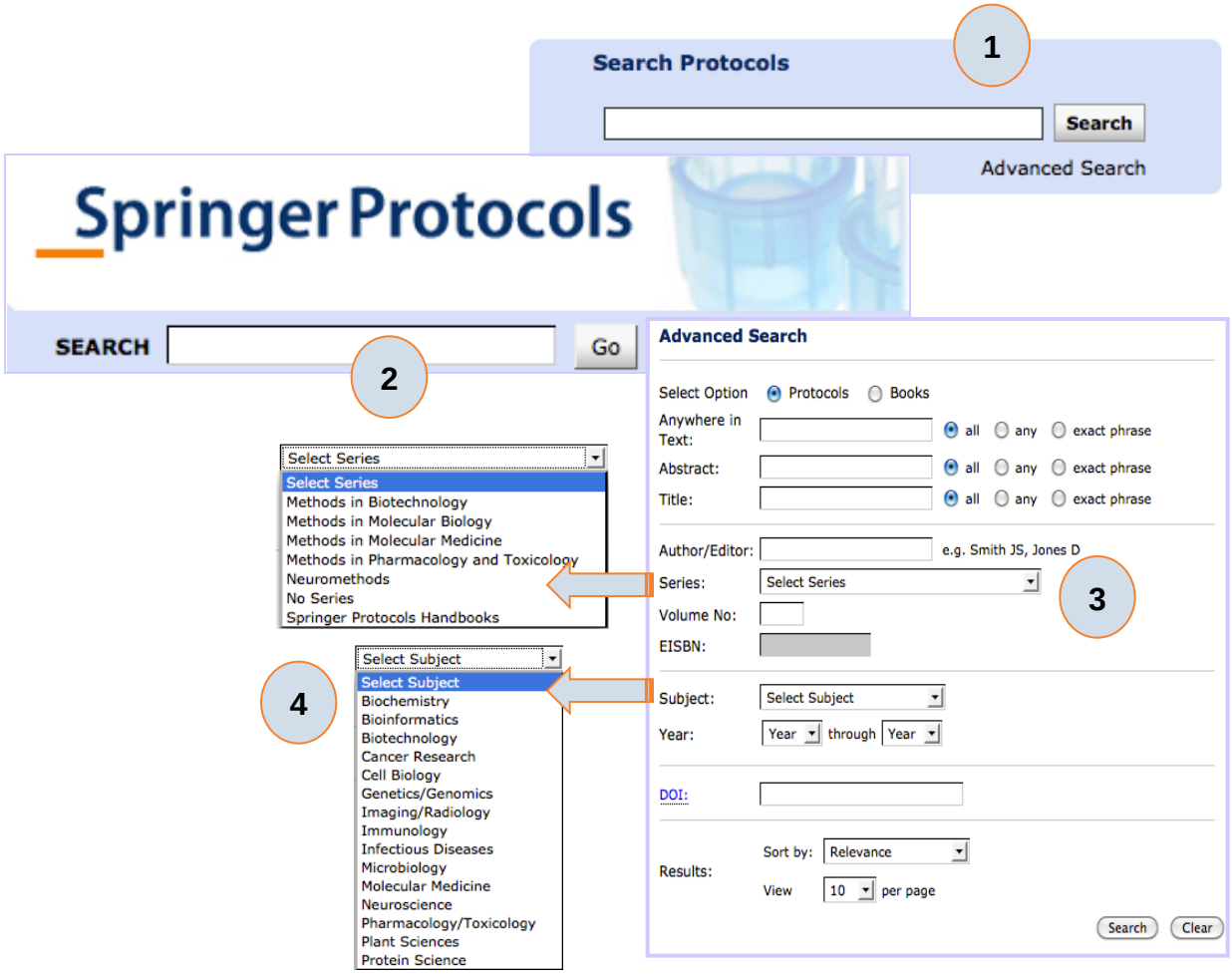

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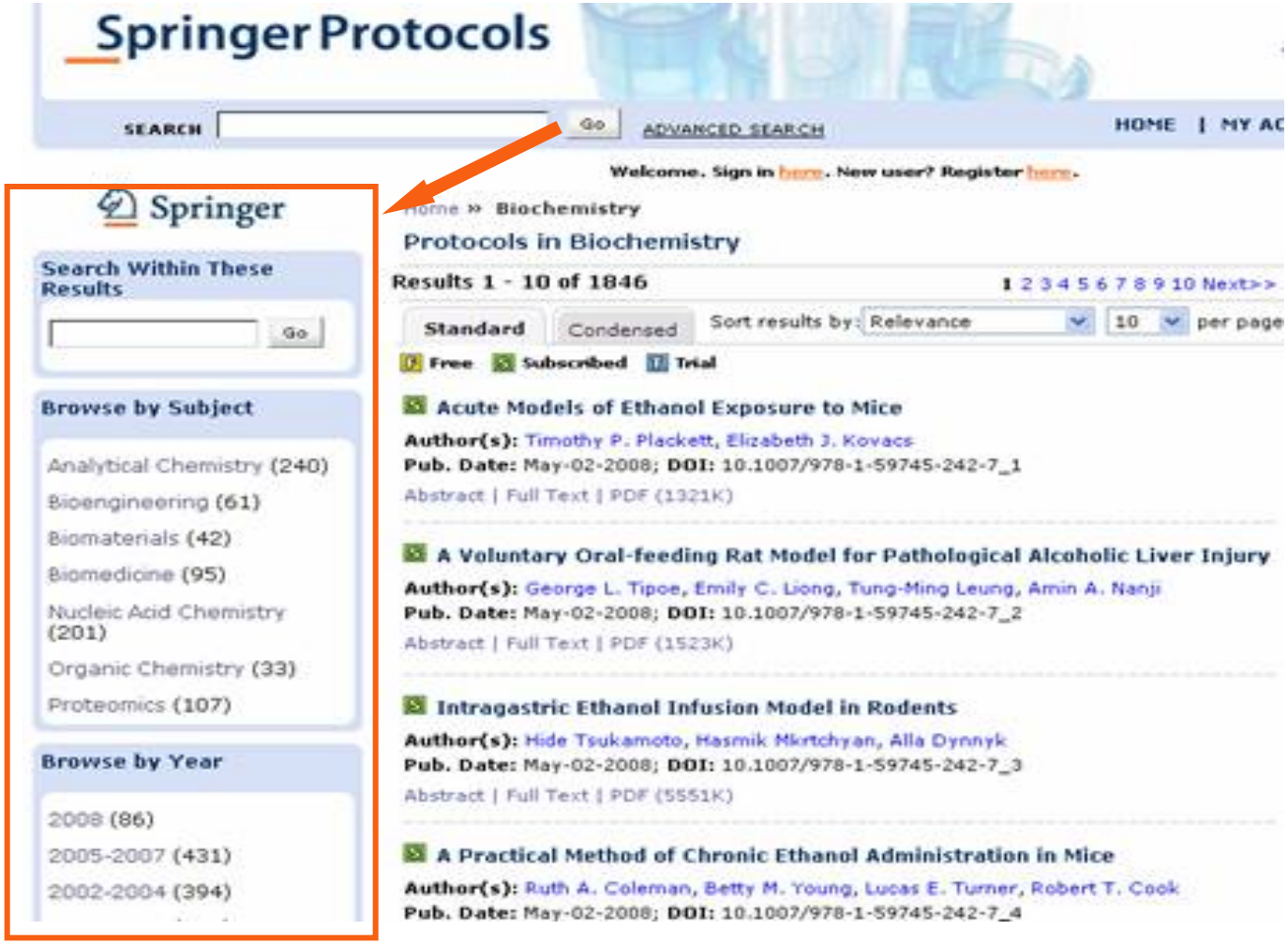

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By: Hanna Gyllberg[1], Kajsa Löfgren[1]

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Abstract

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Prion infectivity is often linked to presence of the protease-resistant isoform of prion protein (PrP), PrP^{res}; therefore, it is of highest interest to have convenient methods for rapid detection of PrP^{res} in the research laboratory. For detection of PrP^{res} in model systems to confirm infectivity, there are several methods that can be applied. This chapter focuses on detection of PrP^{res} by proteinase K digestion followed by Western blot, which is the only method that is both quantitative and qualitative. For large-scale screening of PrP^{res} content in samples, the dot blot method offers a great advantage for detecting PrP^{res}, and this method is also thoroughly described in this chapter.

Affiliation(s): (1) Department of Biochemistry and Biophysics, Stockholm University, Stockholm, Sweden

Book Title: Prion Protein Protocols

Series: Methods in Molecular Biology | **Volume:** 459 | **Pub. Date:** Jun-04-2008 | **Page Range:** 35-48 | **DOI:** 10.1007/978-1-59745-234-2_3

Subject: Protein Science

Key Words: Dot blot - guanidinium thiocyanate - immunoprecipitation - nitrocellulose membrane - proteinase K digestion - PrP antibodies - PVDF membrane - reprobing - Western blot

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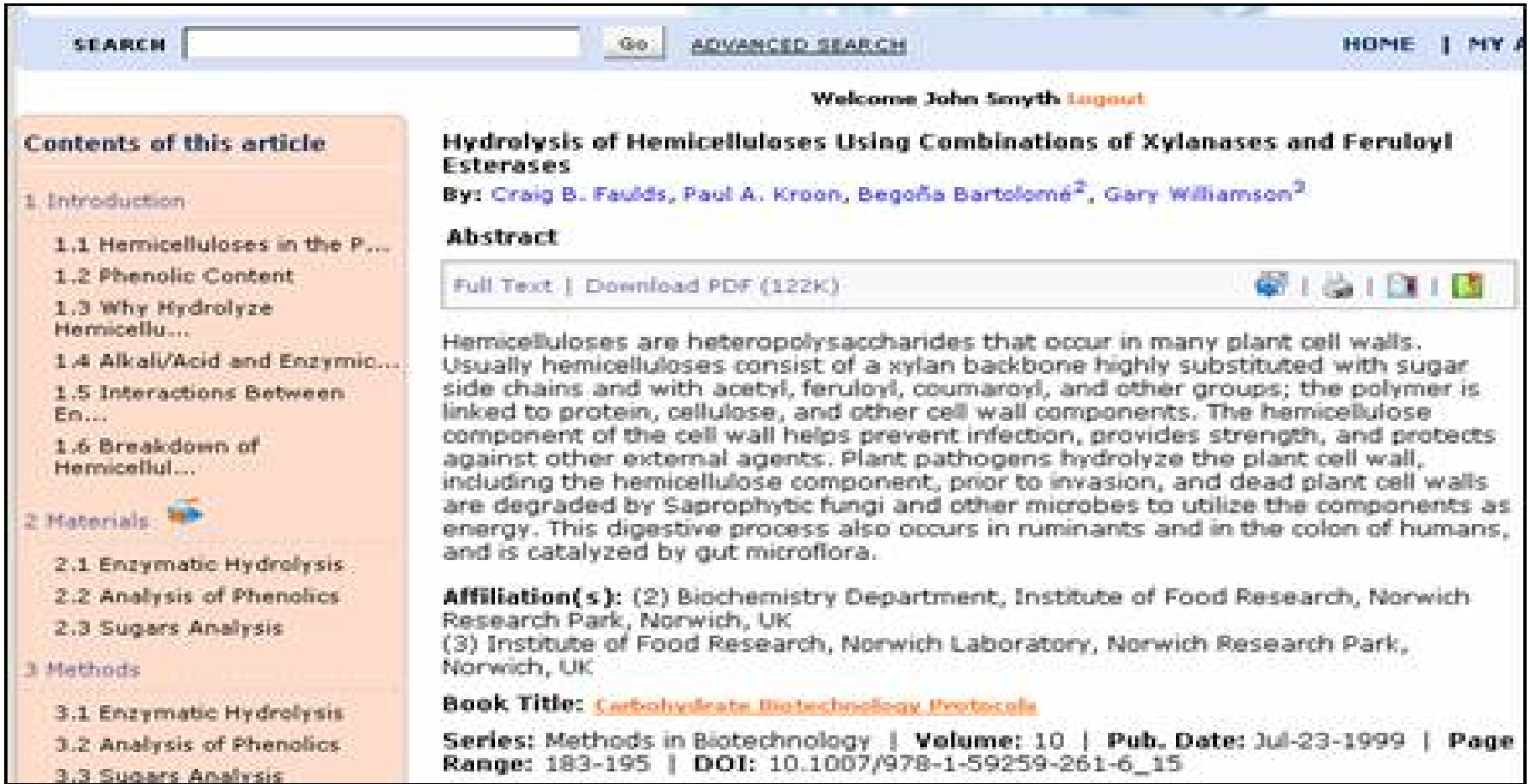

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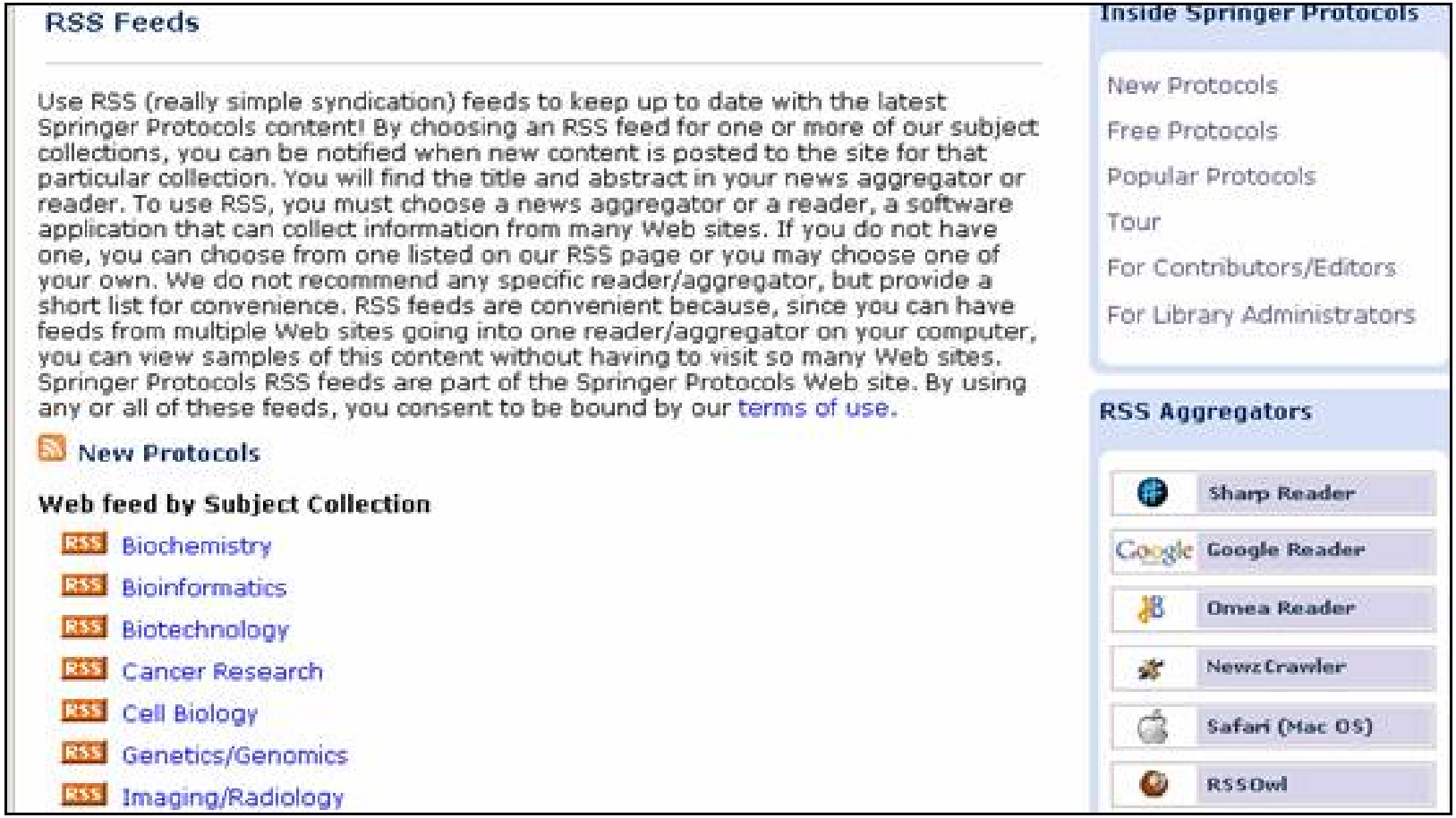

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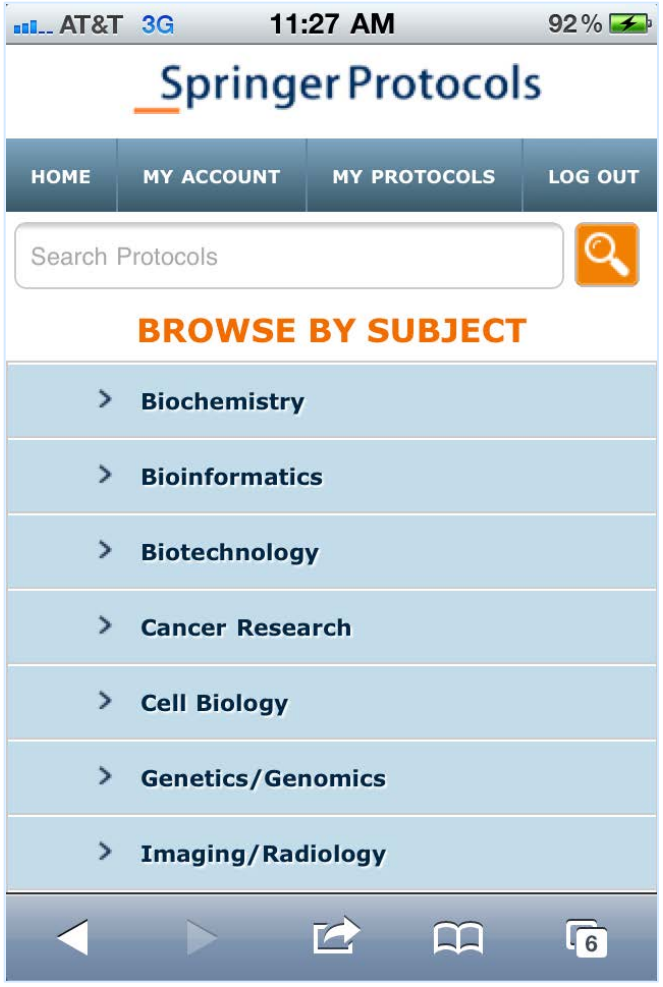

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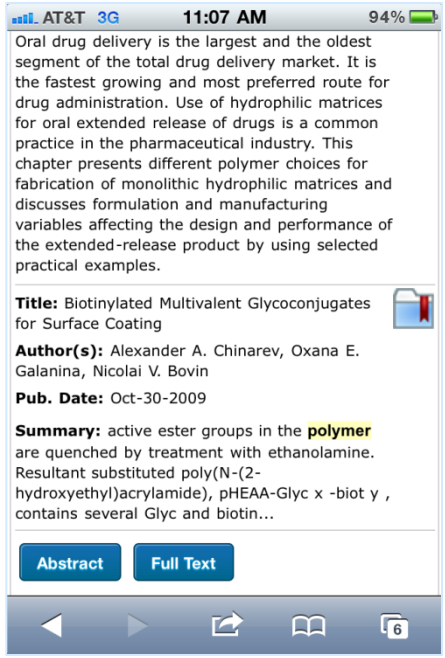

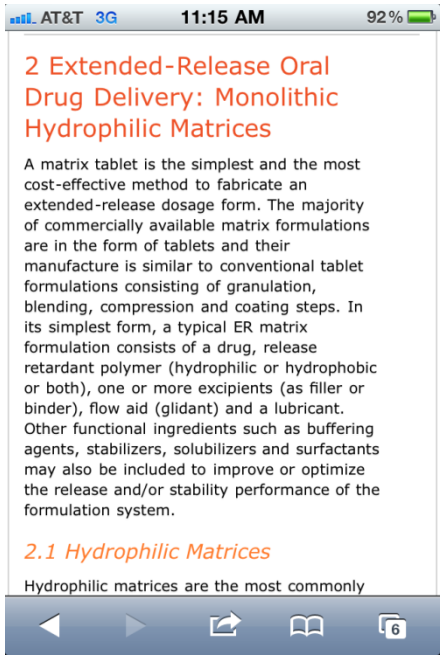

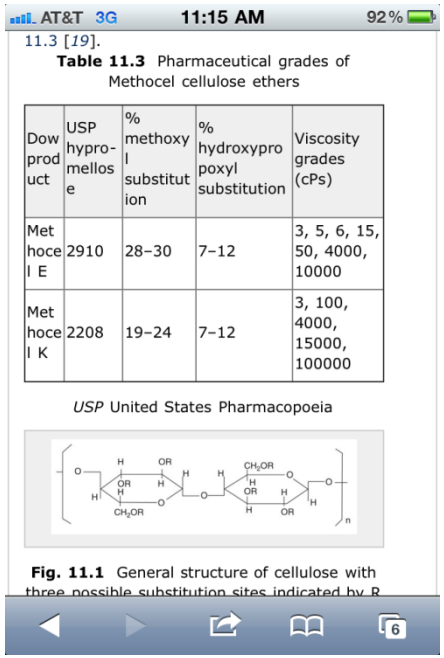

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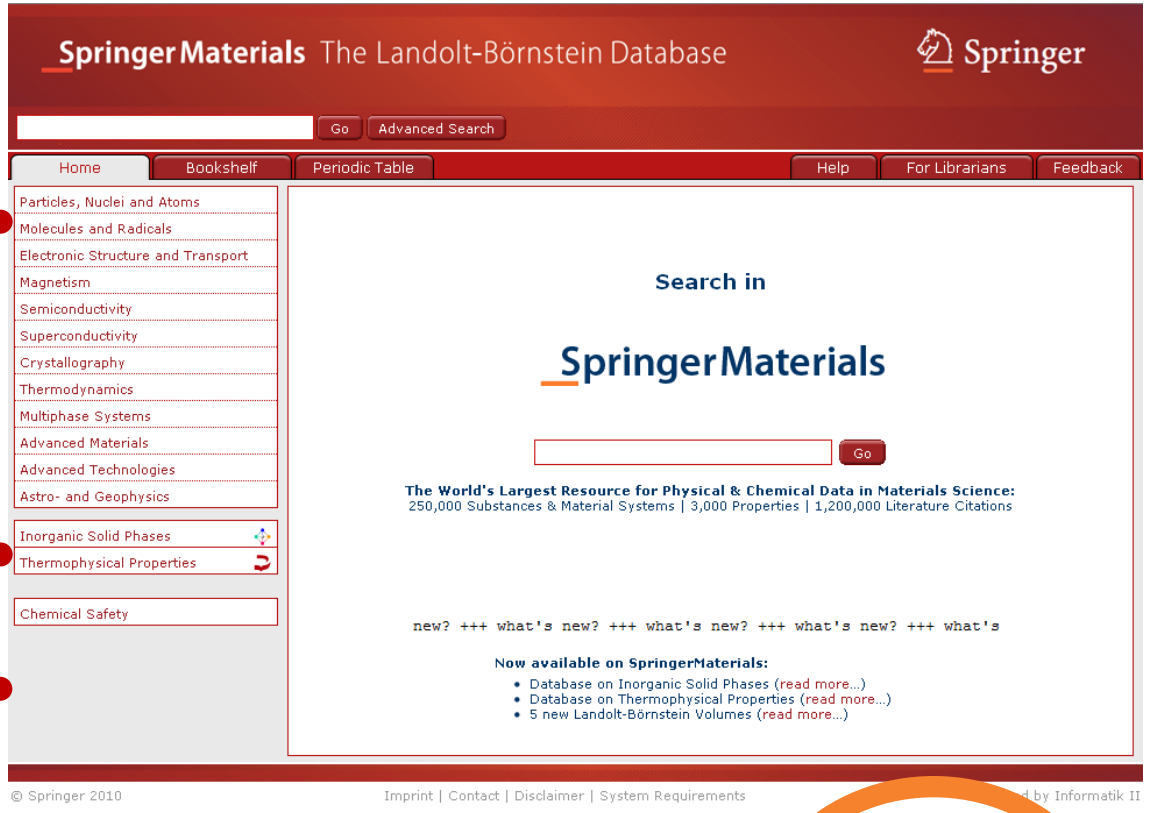

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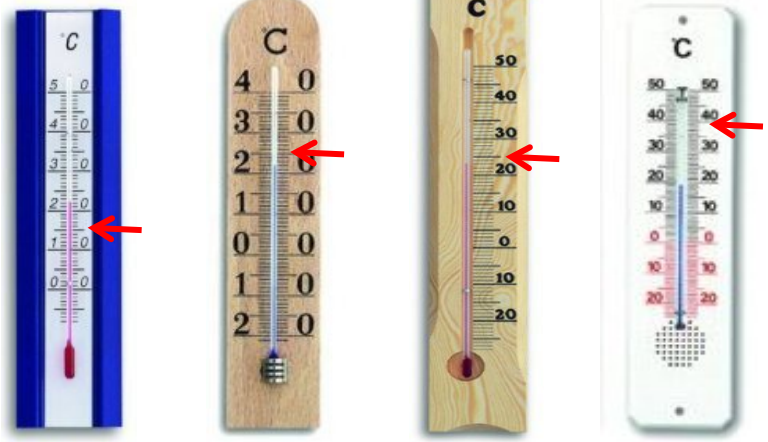

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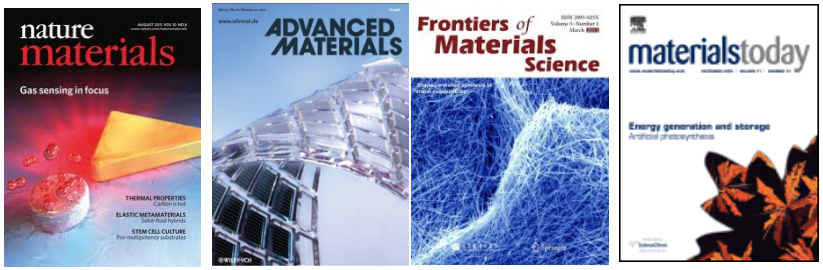

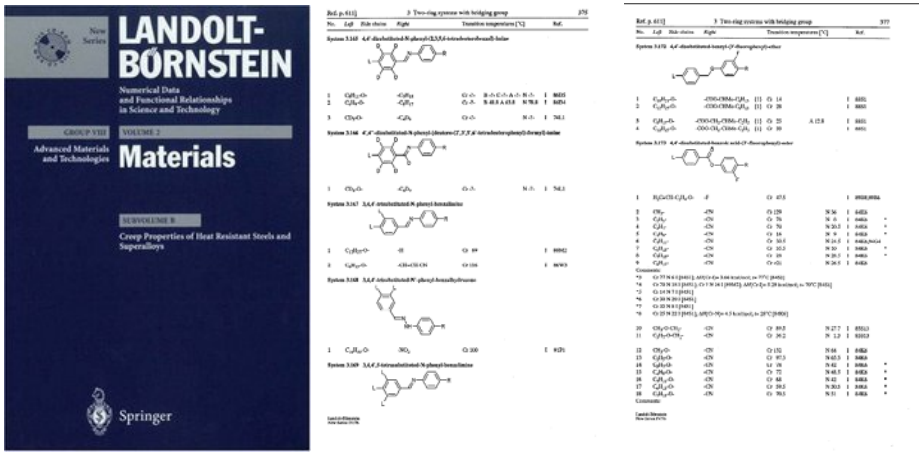

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6	55 Cs	56 Ba	*	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Rn	P
7	87 Fr	88 Ra	**	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113	114	115	116	117	118	Q

*	57 La	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu
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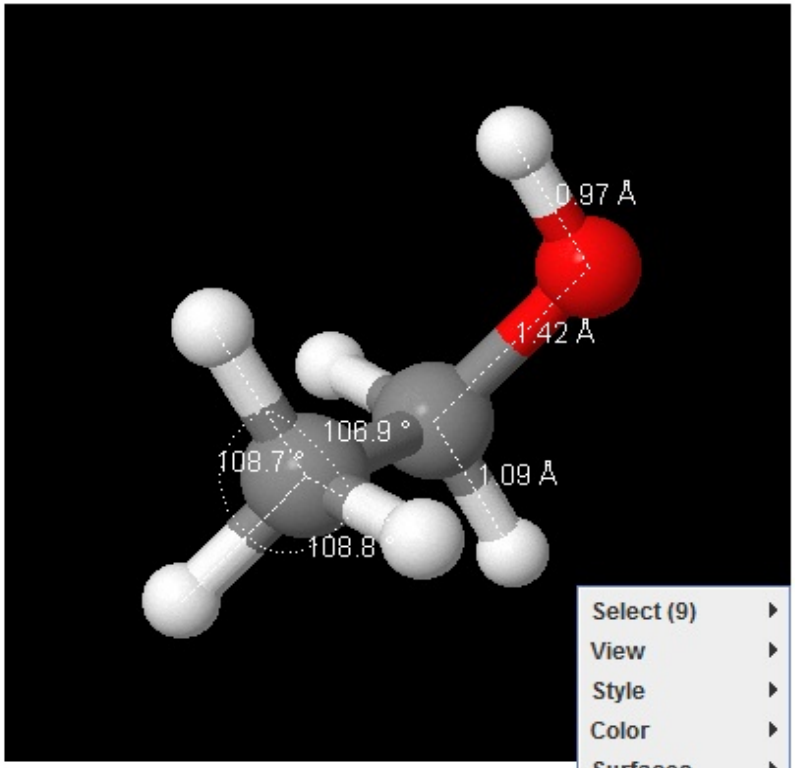

Name	Ethanol
Molecular Formula	C_2H_6O
Element system	C-H-O
CAS-RN	64-17-5, 8000-16-6, 8024-45-1, 121182-78-3

Search for Ethanol

Synonyms

ethyl alcohol; Ethylalkohol; Alkohol; absoluter Alkohol; Weingeist; Brennspiritus; Äthanol; 100C.NPA; Alcare Hand Degermer; Alcohol; Alcohol anhydrous; Algrain; Anhydrol; Anhydrol PM 4085; Desinfektol EL; Duplicating Fluid 100C.NPA; Esumiru WK 88; Ethicap; Ethyl hydrate; Ethyl hydroxide; Hinetoless; IMS 99; Jaysol; Jaysol S; Methylcarbinol; Molasses alcohol; Potato alcohol; SDA 3A; SDA 40-2; SY Fresh M; Synasol; Tecsol; Tecsol C; Alcohol, Ethyl; Absolute ethanol; Aethanol; Aethylalkohol; Alcohol, anhydrous; Alcohol, dehydrated; Alcohol, diluted; Alcohols; Alkohol; Cologne spirit; Ethanol 200 proof; Ethyl alc; Ethyl alcohol, anhydrous; EtOH; Fermentation alcohol; Grain alcohol; NCI-C03134; Spirits of wine; Spirt; SD Alchol 23-hydrogen; Thanol; Ethanol, wasserfrei; Ethanol vergällt; Methylcabinol; Spiritus; Ethyl alcohol, denatured; Alcohol Absolute; Ethanol absolut; Ethanol wasserfrei; absoluter Alkohol; Äthanol; C_2H_6O (ethanol); C_2H_5OH; $C_2H_5(OH)$; Ethylhydroxid

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Chemical Safety:

European regulations regarding Ethanol (C2H6O)

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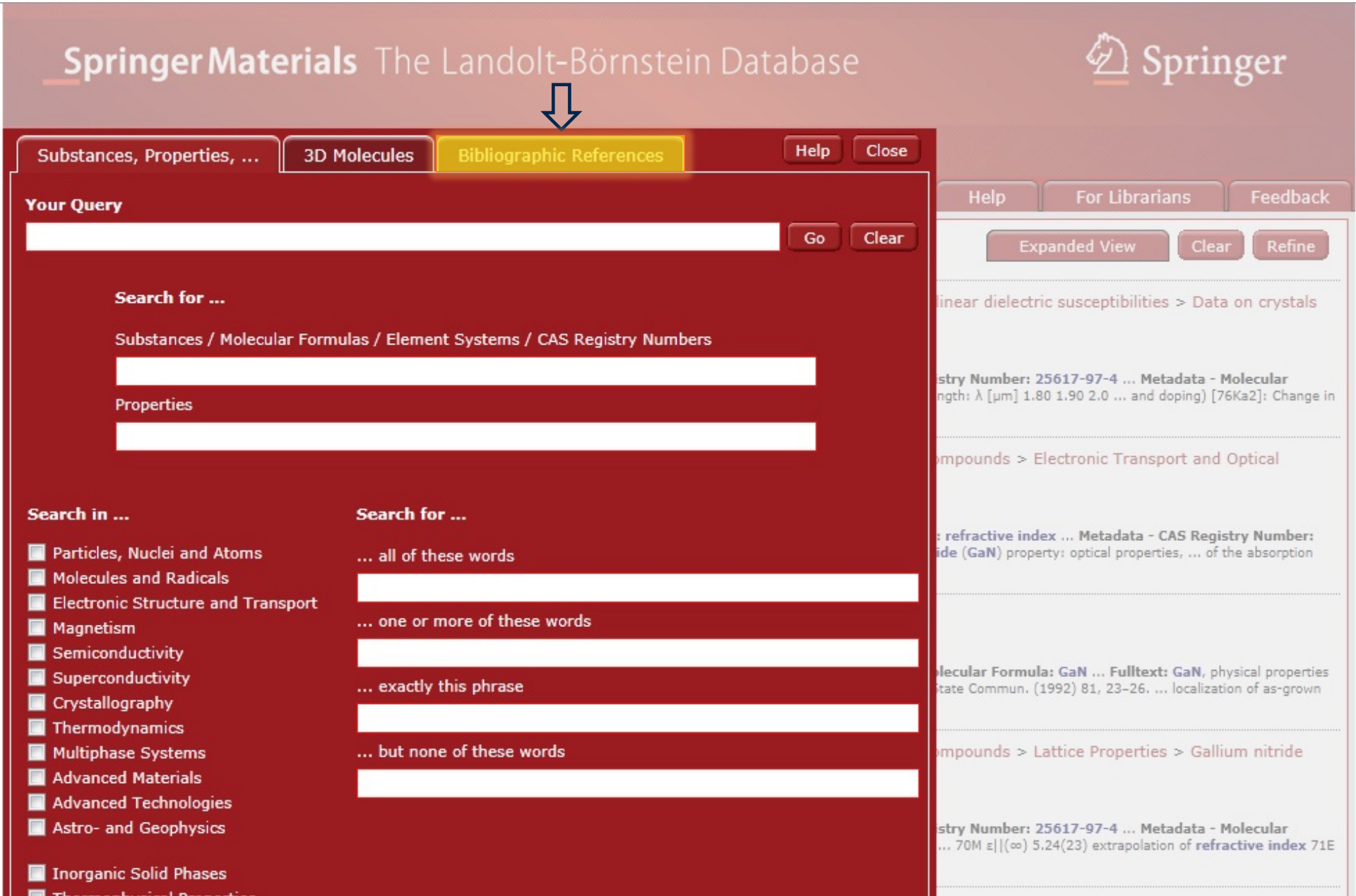
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Barker, J.A.; Brown, I.; Smith, F. Thermodynamic properties of alcohol solutions. The system ethanol + carbon tetrachloride Discuss. Faraday Soc. 1953, 15, 142-150.

Belaribi-Boukais, G.; Ait-Kaci, A.; Delepine, H.; Jose, J. Total vapor pressures between 263.15 K and 353.15 K and excess enthalpies at 303.15 K of binary mixtures of hex-2-yne + methanol, + ethanol, or + butan-1-ol ELDATA Int. Electron. J. Phys.-Chem. Data 1997, 3, 109-118.

Belaribi-Boukais, G.; Ait-Kaci, A.; Mokbel, I.; Jose, J. Total vapor pressures between 253 K and 363 K of binary mixtures of hex-1-yne + methanol, + ethanol, or + butan-1-ol and excess enthalpies at 298.15 K of binary mixtures of hex-1-yne + methanol or + butan-1-ol ELDATA Int. Electron. J. Phys.-Chem. Data 1997, 3, 173-182.

Belaribi-Boukais, G.; Ait-Kaci, A.; Mokbel, I.; Jose, J. Total vapor pressures between 263 K and 353 K and excess enthalpies at 298.15 K of binary mixtures of hex-3-yne + methanol, + ethanol, or + butan-1-ol ELDATA Int. Electron. J. Phys.-Chem. Data 1997, 3, 205-214.

Berg, Ch.: F.O. Licht's international molasses and alcohol report and world ethanol markets, analysis and outlook, UK, October 2001.

Brown, I.; Fock, W.; Smith, F. Thermodynamic properties of alcohol solutions. II. Ethanol and isopropanol systems Australian Journal of Chemistry 1956, 9, 364-372.

Brown, I.; Smith, F. Liquid-vapor equilibria. IV. The system ethanol - benzene at 45 degreeC Australian Journal of Chemistry 1954, 7, 264-268.

Conti, G.; Gianni, P.; Matteoli, E. Excess enthalpies and excess heat capacities of the ternary system ethanol + tetrahydrofuran + cyclohexane at 298.15 K Thermochim. Acta 1994, 247, 293-313.

Cordray, D.R.; Izatt, R.M.; Christensen, J.J.; Oscarson, J.L. The excess enthalpies of (carbon dioxide + ethanol) at 308.15, 325.15, 373.15, 413.15, and 473.15 K from 5.00 to 14.91 MPa J. Chem. Thermodyn. 1988, 20, 655-663.

Easteal, A.I., Woolf, L.A.: Measurements of (p, V, x) for (ethanol + trichloromethane) at 298.15 K.J. Chem. Thermodyn. 16 (1984) 391-398.

French, H.T.; Richards, A.; Stokes, R.H. Thermodynamics of the partially miscible system ethanol + hexadecane J. Chem.

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nschweig: Vieweg, 1981. 81K Kao, K. C., Hwang,

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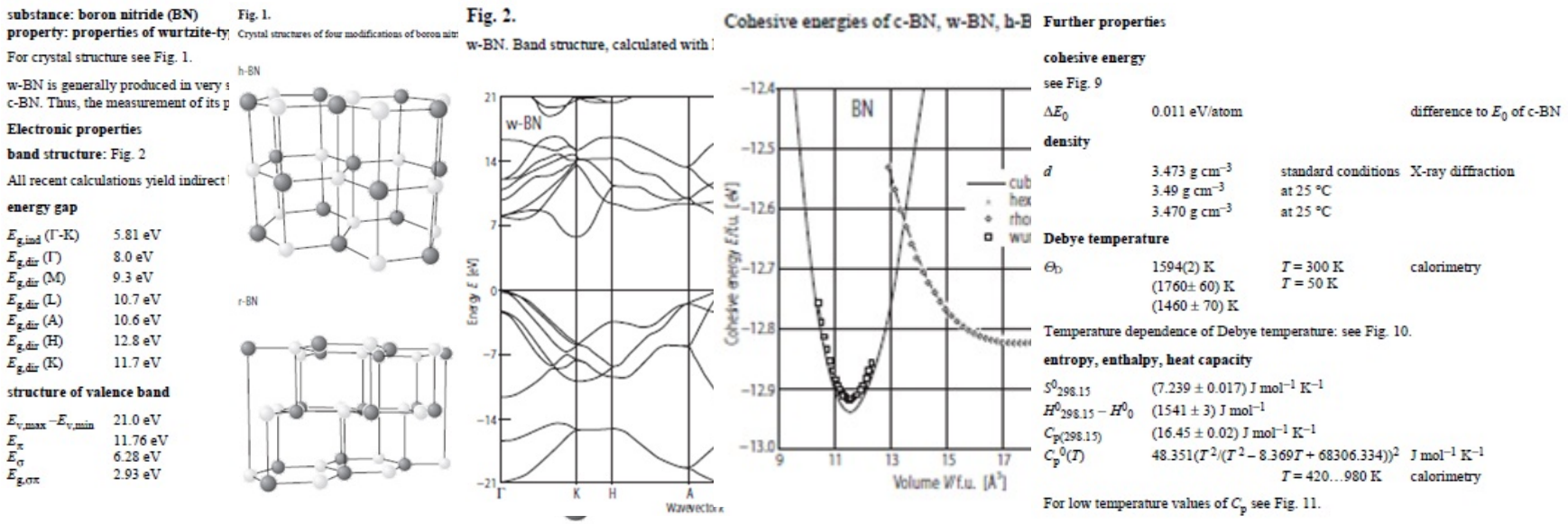

substance: boron nitride (BN)
property: properties of wurtzite-ty

For crystal structure see Fig. 1.

w-BN is generally produced in very s
c-BN. Thus, the measurement of its p

Electronic properties

band structure: Fig. 2

All recent calculations yield indirect

energy gap

$E_{g,ind}$ (Γ-K)	5.81 eV
$E_{g,dir}$ (Γ)	8.0 eV
$E_{g,dir}$ (M)	9.3 eV
$E_{g,dir}$ (L)	10.7 eV
$E_{g,dir}$ (A)	10.6 eV
$E_{g,dir}$ (H)	12.8 eV
$E_{g,dir}$ (K)	11.7 eV

structure of valence band

$E_{v,max} - E_{v,min}$	21.0 eV
E_π	11.76 eV
E_σ	6.28 eV
$E_{g,\sigma\pi}$	2.93 eV

Fig. 1.
Crystal structures of four modifications of boron nitr

h-BN

r-BN

Fig. 2.
w-BN. Band structure, calculated with

w-BN

Energy E [eV]

Γ K H A

Wavevector

Cohesive energies of c-BN, w-BN, h-B

BN

Cohesive energy E/f.u. [eV]

Volume V/f.u. [Å^3]

Further properties

cohesive energy

see Fig. 9

ΔE_0	0.011 eV/atom	difference to E_0 of c-BN

density

d	3.473 g cm^{-3}	standard conditions	X-ray diffraction
	3.49 g cm^{-3}	at 25 °C	
	3.470 g cm^{-3}	at 25 °C	

Debye temperature

Θ_D	1594(2) K	T = 300 K	calorimetry
	(1760± 60) K	T = 50 K	
	(1460 ± 70) K		

Temperature dependence of Debye temperature: see Fig. 10.

entropy, enthalpy, heat capacity

$S^0_{298.15}$	(7.239 ± 0.017) J mol^{-1} K^{-1}	
$H^0_{298.15} - H^0_0$	(1541 ± 3) J mol^{-1}	
$C_{p(298.15)}$	(16.45 ± 0.02) J mol^{-1} K^{-1}	
$C_p{}^0(T)$	$48.351(T^2/(T^2 - 8.369T + 68306.334))^2$	J mol^{-1} K^{-1}
	T = 420…980 K	calorimetry

For low temperature values of C_p see Fig. 11.

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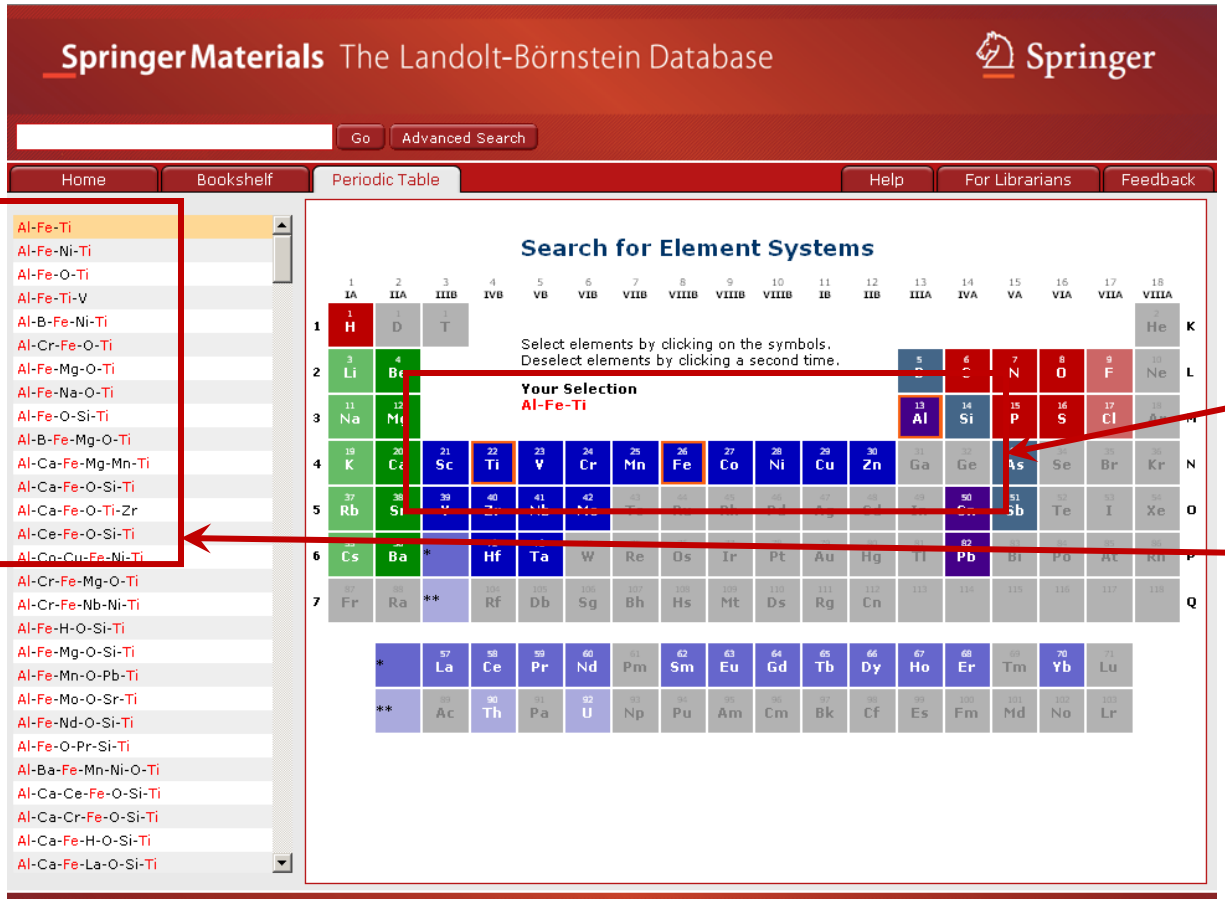

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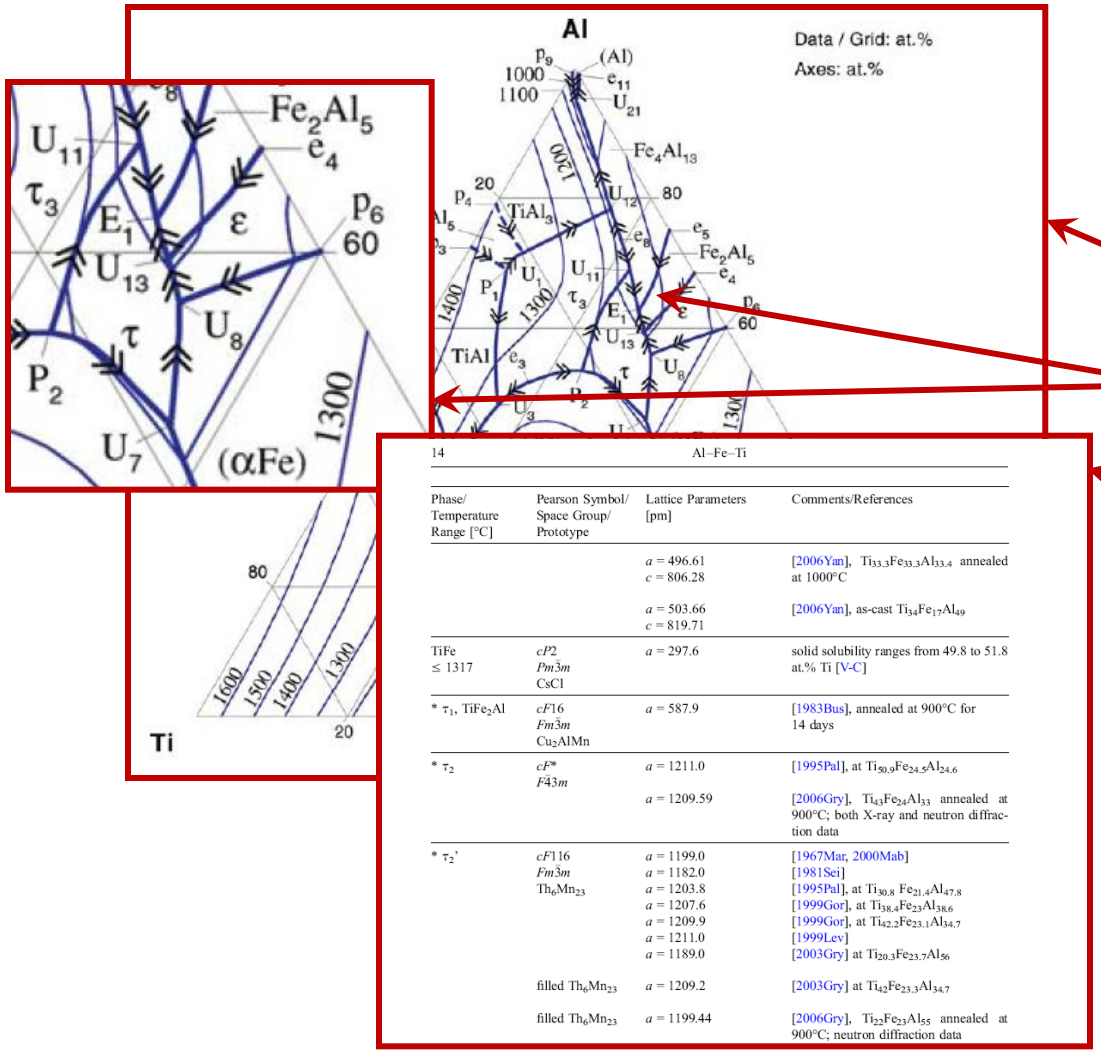

14 Al–Fe–Ti

Phase/ Temperature Range [°C]	Pearson Symbol/ Space Group/ Prototype	Lattice Parameters [pm]	Comments/References
		a = 496.61 c = 806.28	[2006Yan], $Ti_{33.3}Fe_{33.3}Al_{33.4}$ annealed at 1000°C
		a = 503.66 c = 819.71	[2006Yan], as-cast $Ti_{34}Fe_{17}Al_{49}$
TiFe ≤ 1317	*cP*2 *Pm*$\bar{3}$*m* CsCl	a = 297.6	solid solubility ranges from 49.8 to 51.8 at.% Ti [V-C]
* τ_1, $TiFe_2Al$	*cF*16 *Fm*$\bar{3}$*m* Cu_2AlMn	a = 587.9	[1983Bus], annealed at 900°C for 14 days
* τ_2	*cF** *F*$\bar{4}$3*m*	a = 1211.0 a = 1209.59	[1995Pal], at $Ti_{50.9}Fe_{24.5}Al_{24.6}$ [2006Gry], $Ti_{43}Fe_{24}Al_{33}$ annealed at 900°C; both X-ray and neutron diffraction data
* τ_2'	*cF*116 *Fm*$\bar{3}$*m* Th_6Mn_{23}	a = 1199.0 a = 1182.0 a = 1203.8 a = 1207.6 a = 1209.9 a = 1211.0 a = 1189.0	[1967Mar, 2000Mab] [1981Sei] [1995Pal], at $Ti_{30.8}$ $Fe_{21.4}Al_{47.8}$ [1999Gor], at $Ti_{38.4}Fe_{23}Al_{38.6}$ [1999Gor], at $Ti_{42.2}Fe_{23.1}Al_{34.7}$ [1999Lev] [2003Gry] at $Ti_{20.3}Fe_{23.7}Al_{56}$
	filled Th_6Mn_{23}	a = 1209.2	[2003Gry] at $Ti_{42}Fe_{23.3}Al_{34.7}$
	filled Th_6Mn_{23}	a = 1199.44	[2006Gry], $Ti_{22}Fe_{23}Al_{55}$ annealed at 900°C; neutron diffraction data

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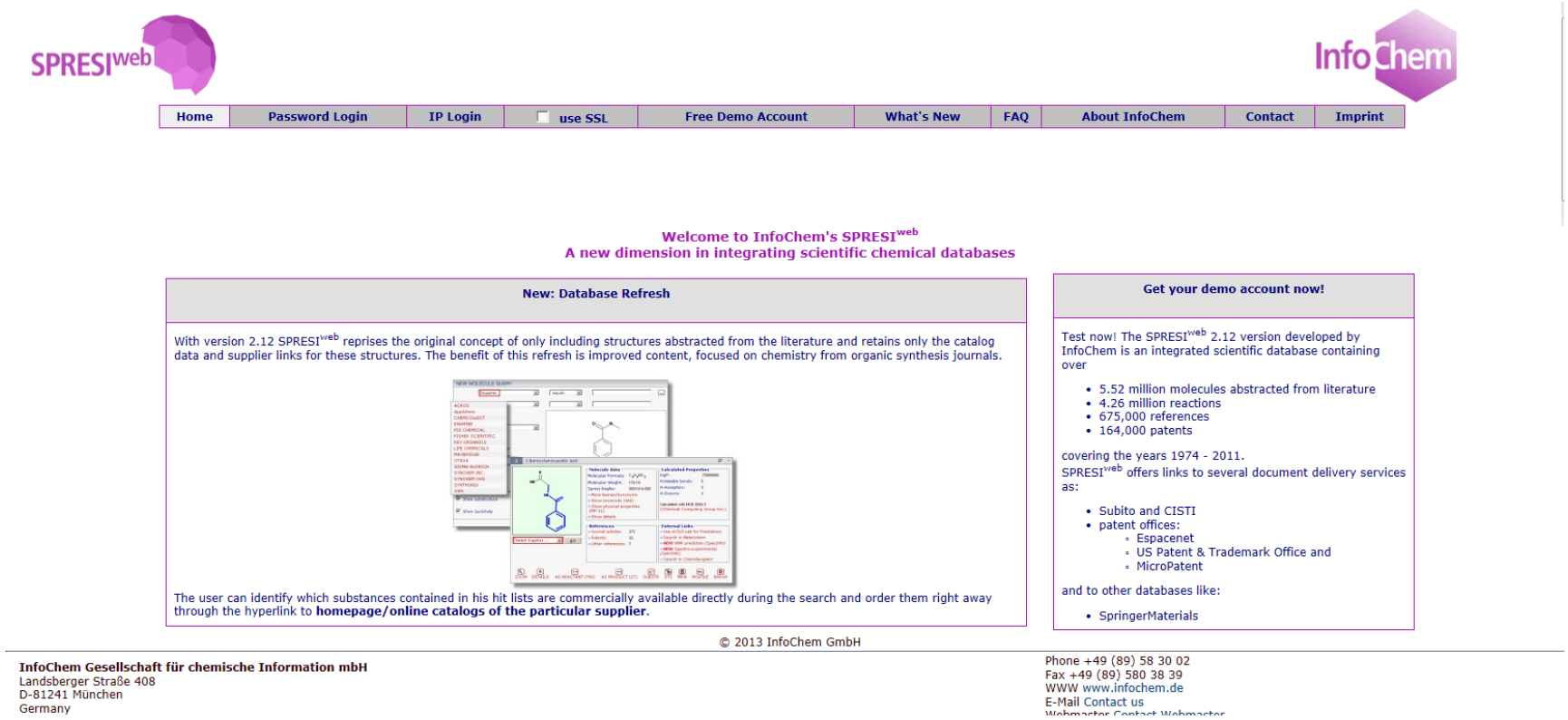

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