

## Attila Demeter's List of Publications

2008

1. S I Druzhinin, S A Kovalenko, T A Senyushkina, A Demeter, R Machinek, M Noltemeyer, K A Zachariasse  
Intramolecular Charge Transfer with the Planarized 4-Cyanofluorazene and Its Flexible Counterpart 4-Cyano-N-phenylpyrrole. Picosecond Fluorescence Decays and Femtosecond Excited-State Absorption  
**J PHYS CHEM A** **112**:(36) 8238-8253 (2008)  
IF: 2.918  
Journal Article/Scientific article/Scientific [1130420]

<http://pubs.acs.org/cgi-bin/article.cgi/jpcafh/2008/112/i36/pdf/jp8037413.pdf>

Lezárva

Dependent (self-) citation: 1 All publications together: 1

2. Demeter A, Zachariasse KA  
Triplet State Dipole Moments of Aminobenzonitriles  
**J PHYS CHEM A** **112**:(7) 1359-1362 (2008)  
IF: 2.918  
Journal Article/Scientific article/Scientific [1111255]

<http://pubs.acs.org/cgi-bin/abstract.cgi/jpcafh/2008/112/i07/abs/jp0747959.html>

Lezárva

Dependent (self-) citation: 1 All publications together: 1

2007

3. Wegner A, Reisch H, Rauch K, Demeter A, Zachariasse KA, de Meijere A, Scott LT  
Oligoindenopyrenes: A new class of polycyclic aromatics (vol 71, pg 9080, 2006),  
**J ORG CHEM** **72** :(5) 1870- p. (2007)  
IF: 3.959  
Journal Article/Correction/Scientific [1077209]

*correction*

Lezárva

4. Nádasi R, Kovács G, Szilágyi I, Demeter A, Dóbbé S, Bérces T, Márta F  
Exciplex laser photolysis study of acetone with relevance to  
**CHEM PHYS LETT** **440**:(1-3) 31-35 (2007)  
IF: 2.207  
Journal Article/Scientific article/Scientific [1080052]

Lezárva

Independent citation: 2 Dependent (self-) citation: 1 All publications together: 3

5. Demeter A, Mile V, Bérces T  
Hydrogen Bond Formation between 4-(Dimethylamino)pyridine and Aliphatic Alcohols  
**J PHYS CHEM A** **111**:(37) 8942-8949 (2007)  
IF: 2.918  
Journal Article/Article/Scientific [1084234]

<http://pubs.acs.org/cgi-bin/abstract.cgi/jpcafh/2007/111/i37/abs/jp072989i.html>

Lezárva

Independent citation: 1 All publications together: 1

2006

6. Wegner HA, Reisch H, Rauch K, Demeter A, Zachariasse KA, de Meijere A, Scott LT  
Oligoindenopyrenes: A new class of polycyclic aromatics  
**J ORG CHEM** 71:(24) 9080-9087 (2006)  
IF: 3.790  
Journal Article/Scientific article/Scientific [1076703]

<http://pubs.acs.org/cgi-bin/article.cgi/jocea/2006/71/i24/pdf/jo0613939.pdf>

Lezárva

Independent citation: 6 All publications together: 6

2005

7. Yoshihara T, Druzhinin S I, Demeter A, Kocher N, Stalke D, Zachariasse K A  
Kinetics of intramolecular charge transfer with N-phenylpyrrole in alkyl cyanides  
**J PHYS CHEM A** 109:(8) 1497-1509 (2005)  
IF: 2.898  
Journal Article/Scientific article/Scientific [1069056]

<http://pubs.acs.org/cgi-bin/article.cgi/jpca/2005/109/i08/pdf/jp046586j.pdf>  
005/2005

Lezárva

Independent citation: 14 Dependent (self-) citation: 9 All publications together: 23

8. Galievsky V A, Druzhinin S I, Demeter A, Jiang Y B, Kovalenko S A, Lustres L P, Venugopal K, Ernsting N P, Allonas X, Noltemeyer M, Machinek R, Zachariasse K A  
Ultrafast Intramolecular Charge Transfer and Internal Conversion with Tetrafluoro-aminobenzonitriles  
**CHEMPHYSICHEM** 6:(11) 2307-2323 (2005)  
IF: 3.607  
Journal Article/Scientific [1069054]

064/2005

<http://www3.interscience.wiley.com/cgi-bin/fulltext/112139849/PDFSTART>

Lezárva

Independent citation: 8 Dependent (self-) citation: 6 All publications together: 14

9. Demeter Attila  
Relaxáció szerepe a fotofizikai folyamatokban: a kettős fluoreszcencia és a hatékony belső konverzió létrejöttének feltételei  
97 p. 2005. (Thesis: MTA Doktora)  
[Full document](#)  
Thesis/MTA Doktora/Scientific [1074853]  
Lezárva
10. Demeter A  
The influence of hydrogen bond formation on the dual luminescence of N-phenyl-2,3-naphthalimide derivatives  
**REACT KINET CATAL L** 85:(2) 331-339 (2005)  
IF: 0.670  
Journal Article/Scientific [1069053]

038/2005

**Lezárva**

Dependent (self-) citation: 1 All publications together: 1

11. Demeter A, Bérces T  
Hydrogen-bond formation between isoindolo[2,1-a]indol-6-one and aliphatic alcohols in n-hexane

**J PHYS CHEM A** 109:(10) 2043-2049 (2005)

IF: 2.898

Journal Article/Scientific article/Scientific [1069055]

<http://pubs.acs.org/cgi-bin/article.cgi/jpcafh/2005/109/i10/pdf/jp045495j.pdf>  
021/2005

**Lezárva**

Dependent (self-) citation: 2 All publications together: 2

2004

12. Wu Y T, Labahn T, Demeter A, Zachariasse K A, de Meijere A  
7-(Dimethylamino)tricyclo[5.2.2.0 1,6]undecene derivatives from beta-cyclohexenyl beta-dimethylamino-substituted alpha,beta-unsaturated Fischer carbenes

**EUR J ORG CHEM** --: 4483-4491 (2004)

IF: 2.426

Journal Article/Scientific [1069059]

069/2004

**Lezárva**

Independent citation: 2 All publications together: 2

13. Hoa G H B, Kossanyi J, Demeter A, Biczók L, Bérces T  
Pressure dependence of the dual luminescence of twisting molecules. The case of substituted 2,3-naphthalimides

**PHOTOCH PHOTOBIO SCI** 3:(5) 473-482 (2004)

IF: 1.798

Journal Article/Scientific [1069058]

040/2004

**Lezárva**

Independent citation: 1 Dependent (self-) citation: 2 All publications together: 3

14. Demeter A, Ravasz L, Bérces T  
Influence of hydrogen bond formation on the photophysics of N-(2,6-dimethylphenyl)-2,3-naphthalimide

**J PHYS CHEM A** 108:(19) 4357-4364 (2004)

IF: 2.765

Journal Article/Scientific article/Scientific [1069057]

<http://pubs.acs.org/cgi-bin/article.cgi/jpcafh/2004/108/i19/pdf/jp049693m.pdf>  
039/2004

**Lezárva**

Independent citation: 1 Dependent (self-) citation: 3 All publications together: 4

2003

15. Druzhinin SI, Demeter A, Galievsky VA, Yoshihara T, Zachariasse KA  
Thermally activated internal conversion with 4-(dimethylamino)benzonitrile, 4-(methylamino)benzonitrile, and 4-aminobenzonitrile in alkane solvents. No correlation with intramolecular charge transfer  
**J PHYS CHEM A** **107**:(40) 8075-8085 (2003)

IF: 2.792

Journal Article/Scientific article/Scientific [1068321]

<http://pubs.acs.org/cgi-bin/article.cgi/jpcafh/2003/107/i40/pdf/jp0276449.pdf>  
119/2003

Lezárva

Independent citation: 13 Dependent (self-) citation: 11 All publications together: 24

16. Demeter A, Zachariasse KA  
Fluorescence of crystalline 4-(dimethylamino)benzonitrile. Absence of dual fluorescence and observation of single-exponential fluorescence decays  
**CHEM PHYS LETT** **380**: 699-703 (2003)

IF: 2.438

Journal Article/Scientific [1068320]

118/2003

Lezárva

Independent citation: 6 Dependent (self-) citation: 5 All publications together: 11

17. Demeter A, Bérces T, Hinderberger J, Timári G  
Dual luminescence properties of differently benzo-fused N-phenylphenanthridinones  
**PHOTOCH PHOTOBIO SCI** **2**:(3) 273-281 (2003)

IF: 1.359

Journal Article/Scientific [1069060]

029/2003

Lezárva

2002

18. Nagy K, Biczók L, Demeter A, Kövér P, Riedl Z  
Photophysical properties of novel (1,2,3)triazolo(4,5-d) pyridazine derivatives  
**J PHOTOCH PHOTOBIO A** **153**: 83-88 (2002)

IF: 1.297

Journal Article/Scientific [1068318]

170/2002

Lezárva

Independent citation: 2 All publications together: 2

2001

19. Valat P, Wintgens V, Kossanyi J, Biczók L, Demeter A, Bérces T  
Temperature-dependent behavior of the dual fluorescence of 2-(3-Fluorophenyl)-2,3-dihydro-1H-benzo[f]isoindole-1,3-dione

**HELV CHIM ACTA** **84**: 2813-283 (2001)

IF: 2.027

Journal Article/Scientific [1069062]

151/2001

**Lezárva**

Independent citation: 1 Dependent (self-) citation: 4 All publications together: 5

20. Hamciuc C, Hamciuc E, Bruma M, Klapper M, Pakula T, Demeter A  
New aromatic polyethers containing phenylquinoxaline and 1,3,4-oxadiazole rings  
Hamciuc C., Hamciuc H., Klapper M., Pakula T., Demeter A. New aromatic polyethers  
containing phenylquinoxaline and 1,3,4-oxadiazole rings  
**POLYMER 42: 5955-5961 (2001)**  
IF: 1.681  
Journal Article/Scientific [1069064]

125/2001

**Lezárva**

Independent citation: 9 Dependent (self-) citation: 9 All publications together: 18

21. Druzhinin S I, Jiang Y B, Demeter A, Zachariasse K A  
Internal conversion with 4-(azetidiny)benzonitriles in alkane solvents. Influence of  
fluoro substitution  
**PHYS CHEM CHEM PHYS 3: 5213-5221 (2001)**  
IF: 1.787  
Journal Article/Scientific [1069061]

207/2001

**Lezárva**

Independent citation: 7 Dependent (self-) citation: 4 All publications together: 11

22. Druzhinin S I, Demeter A, Zachariasse K A  
Dual fluorescence and intramolecular charge transfer with crystalline 4-  
(diisopropylamino) benzonitrile  
**CHEM PHYS LETT 347: 421-428 (2001)**  
IF: 2.364  
Journal Article/Scientific [1069063]

152/2001

**Lezárva**

Independent citation: 10 Dependent (self-) citation: 6 All publications together: 16

23. Demeter A, Bérces T, Zachariasse K A  
Dual fluorescence and intramolecular charge transfer with N-  
phenylphenanthridinones  
**J PHYS CHEM A 105:(19) 4611-4621 (2001)**  
IF: 2.630  
Journal Article/Scientific article/Scientific [1069065]

<http://pubs.acs.org/cgi-bin/article.cgi/jpcafh/2001/105/i19/pdf/jp004555s.pdf>  
126/2001

**Lezárva**

Independent citation: 12 Dependent (self-) citation: 6 All publications together: 18

24. Suzuki K, Demeter A, Kühnle W, Tauer E, Zachariasse KA, Tobita S, Shizuka H  
Internal conversion in 4-substituted-1-naphthylamines. Influence of the electron donor/acceptor substituent character  
**PHYS CHEM CHEM PHYS 2: 981-991 (2000)**  
IF: 1.653  
Journal Article/Scientific [1068317]  
**Lezárva**  
Independent citation: 14 Dependent (self-) citation: 16 All publications together: 30
25. Demeter A, Druzhini S, George M, Haselbach E, Roulin J L, Zachariasse K A  
Dual fluorescence and fast intramolecular charge transfer with 4-(diisopropylamino) benzonitrile in alkane solvents  
**CHEM PHYS LETT 323: 351-360 (2000)**  
IF: 2.364  
Journal Article/Scientific [1069075]  
**Lezárva**  
Independent citation: 30 Dependent (self-) citation: 21 All publications together: 51

1999

26. Rückert I, Demeter A, Morawski O, Kühnle W, Tauer E, Zachariasse K A  
Internal conversion in 1-aminonaphthalenes. Influence of amino twist angle  
**J PHYS CHEM A 103:(13) 1958-1966 (1999)**  
IF: 2.695  
Journal Article/Scientific article/Scientific [1069077]  
  
<http://pubs.acs.org/cgi-bin/article.cgi/jpcafh/1999/103/i13/pdf/jp984115p.pdf>  
70/1999  
  
**Lezárva**  
Independent citation: 29 Dependent (self-) citation: 10 All publications together: 39

27. Druzhinin S, Demeter A, Niebuer M, Tauer E, Zachariasse K A  
Fast internal conversion, dual fluorescence and intramolecular charge transfer in 9-cyano-10-(dimethylamino)anthracene  
**RES CHEM INTERMEDIAT 25: 531-550 (1999)**  
IF: 0.992  
Journal Article/Scientific [1069078]  
  
172/1999  
  
**Lezárva**  
Independent citation: 4 Dependent (self-) citation: 4 All publications together: 8

1998

28. Nemes P, Demeter A, Biczók L, Bérces T, Wintgens V, Valat P, Kossanyi J  
Spectroscopic properties of aromatic dicarboximides Part 4: N-alkyl- and N-cycloalkyl-substituted 1,2-naphthalimides  
**J PHOTOCH PHOTOBIO A 113: 225-231 (1998)**  
IF: 0.947  
Journal Article/Scientific [1069076]  
  
29/1998  
  
**Lezárva**  
Independent citation: 7 Dependent (self-) citation: 2 All publications together: 9

1997

29. Demeter A, Timári G, Kotschy A, Bérces T  
The influence of aryl substitution on the photophysics of 1-aryl-fluorenones  
**TETRAHEDRON LETT 38**: 5219-5222 (1997)  
IF: 2.500  
Journal Article/Scientific [1068319]

61/1997

Lezárva

Independent citation: 7 Dependent (self-) citation: 1 All publications together: 8

1996

30. Wintgens V, Valat P, Kossanyi J, Demeter A, Biczók L, Bérces T  
Spectroscopic properties of aromatic dicarboximides Part 3: Substiuent effect on the photophysical properties of N-phenyl-1-2,3- naphthalimides  
**J PHOTOCH PHOTOBIO A 93**: 109-117 (1996)  
IF: 1.103  
Journal Article/Scientific [1069072]

19/1996

Lezárva

Independent citation: 8 Dependent (self-) citation: 10 All publications together: 18

31. Wintgens V, Valat P, Kossanyi J, Demeter A, Biczók L, Bérces T  
Spectroscopic properties of aromatic dicarboxamides, Part 4.  
**NEW J CHEM 20**: 1149-1158 (1996)  
IF: 1.813  
Journal Article/Scientific [1069074]

162/1996

Lezárva

Independent citation: 28 Dependent (self-) citation: 6 All publications together: 34

32. Demeter A, Bérces T, Biczók L, Wintgens V, Valat P, Kossanyi J  
Compehensive model of the photophysics of N-phenylnaphthalimides: The role of solvent and rotational relaxation  
**J PHYS CHEM US 100**:(6) 2001-2011 (1996)  
IF: 3.366  
Journal Article/Scientific article/Scientific [1069073]

<http://pubs.acs.org/cgi-bin/article.cgi/jpchax/1996/100/i06/pdf/jp951133n.pdf>  
25/1996

Lezárva

Independent citation: 41 Dependent (self-) citation: 17 All publications together: 58

1995

33. Dromzee Y, Kossanyi J, Wintgens V, Valat P, Biczók L, Demeter A, Bérces T  
Crystal and molecular structure of N-phenyl substituted 1,2-, 2,3- and 1,8-naphthalimides  
**Z KRISTALLOGR 210**: 760-765 (1995)

IF: 0.329  
Journal Article/Scientific [1069071]

108/1995

**Lezárva**

Independent citation: 9 Dependent (self-) citation: 5 All publications together: 14

1994

34. Wintgens V, Valat P, Kossanyi J, Biczók L, Demeter A, Bérces T  
Spectroscopic properties of aromatic dicarboximides Part 1. N-H and N-methyl-  
substituted naphthalimides  
**J CHEM SOC FARADAY T 90: 411-421 (1994)**  
IF: 1.560  
Journal Article/Scientific [1069069]

25/1994

**Lezárva**

Independent citation: 88 Dependent (self-) citation: 20 All publications together: 108

35. Demeter A, Bérces T, Biczók L, Wintgens V, Valat P, Kossanyi J  
Spectroscopic properties of aromatic dicarboximides  
**J CHEM SOC FARADAY T 90: 2635-2641 (1994)**  
IF: 1.560  
Journal Article/Scientific [1069070]

126/1994

**Lezárva**

Independent citation: 14 Dependent (self-) citation: 10 All publications together: 24

1993

36. Demeter A, Biczók L, Bérces T, Wintgens V, Valat P, Kossanyi J  
Laser photolysis studies of transient processes in the photoreduction of  
naphthalimides by aliphatic-amines  
**J PHYS CHEM US 97:(13) 3217-3224 (1993)**  
IF: 3.395  
Journal Article/Scientific article/Scientific [1069068]

<http://pubs.acs.org/cgi-bin/archive.cgi/jpchax/1993/97/i13/pdf/j100115a025.pdf>  
029/1993

**Lezárva**

Independent citation: 42 Dependent (self-) citation: 2 All publications together: 44

1992

37. Valat P, Wintgens V, Kossanyi J, Biczók L, Demeter A, Bérces T  
Influence of geometry on the emitting properties of 2,3-naphthalimides  
**J AM CHEM SOC 114:(3) 946-953 (1992)**  
IF: 5.298

Journal Article/Scientific article/Scientific [1069066]

<http://pubs.acs.org/cgi-bin/archive.cgi/jacsat/1992/114/i03/pdf/ja00029a023.pdf>  
086/1992

Lezárva

Independent citation: 30 Dependent (self-) citation: 19 All publications together: 49

38. Hawari J, Demeter A, Samson R  
Sensitized photolysis of polychlorobiphenyls in alkaline 2-propanol - dechlorination of aroclor 1254 in soil samples by solar-radiation  
**ENVIRON SCI TECHNOL 26**:(10) 2022-2027 (1992)  
IF: 3.019  
Journal Article/Scientific [1069067]

229/1992

Lezárva

Independent citation: 46 Dependent (self-) citation: 1 All publications together: 47

39. Demeter Attila  
Elsődleges és másodlagos reakciók a karbonil vegyületek fotoredukciós folyamataiban  
103 p. 1992. (Thesis: Kandidátus)  
[Full document](#)  
Thesis/Kandidátus/Scientific [1074850]  
Lezárva

1991

40. Hawari J, Tronczynski J, Demeter A, Samson R, Mourato D  
Photodechlorination of Chlorobiphenyls by Sodium Methyl Silicate  
**CHEMOSPHERE 22**: 189-199 (1991)  
IF: 1.109  
Journal Article/Article/Scientific [1071117]

IF: 1.109

Lezárva

Independent citation: 7 Dependent (self-) citation: 2 All publications together: 9

41. Hawari J, Demeter A, Greer C, Samson R  
Acetone-induced Photodechlorination of Aroclor 1254 in Alkaline 2-propanol: Probing the Mechanism by Thermolysis in the Presence of Di-t.-butyl Peroxide  
**CHEMOSPHERE 22**: 1167-1174 (1991)  
IF: 1.109  
Journal Article/Article/Scientific [1071120]

IF: 1.109

Lezárva

Independent citation: 28 Dependent (self-) citation: 1 All publications together: 29

42. Haszpra L, Szilagyi I, Demeter A, Turanyi T, Berces T  
NONMETHANE HYDROCARBON AND ALDEHYDE MEASUREMENTS IN BUDAPEST, HUNGARY  
**ATMOS ENVIRON A-GEN 25**:(10) 2103-2110 (1991)  
IF: 1.033  
Journal Article/Scientific article/Scientific [1064312]  
Lezárva

Independent citation: 29 Dependent (self-) citation: 1 All publications together: 30

43. Demeter A, Bérces T  
Direct Kinetic Study of Radical Transformation Reaction  $\text{Me}_2\text{COH} + \text{Me}_2\text{CO} + \text{Ph}_2\text{COH} \rightarrow \text{Ph}_2\text{CO}$   
**J PHYS CHEM US 95**:(3) 1228-1232 (1991)  
IF: 3.144  
Journal Article/Scientific article/Scientific [1071110]

<http://pubs.acs.org/cgi-bin/archive.cgi/jpchax/1991/95/i03/pdf/j100156a036.pdf>

Lezárva

Independent citation: 29 Dependent (self-) citation: 1 All publications together: 30

1990

44. Bérces T, Demeter A, László B  
Hidrogénatom-transzfer reakciók egy sajátos típusának kinetikai vizsgálata  
**KÉMIAI KÖZL 71**: 18-22 (1990)  
Journal Article/Article/Scientific [1071123]  
Lezárva

1989

45. Demeter A, Berces T  
Study of the Long-lived Intermediate Formed in the Photoreduction of Benzophenone by Isopropyl Alcohol  
**J PHOTOCH PHOTOBIO A 46**: 27-40 (1989)  
IF: 0.738  
Journal Article/Scientific article/Scientific [1071113]

IF: 0.738

Lezárva

Independent citation: 28 Dependent (self-) citation: 5 All publications together: 33

1988

46. Demeter A, László B, Bérces T  
Kinetics of Ketyl Radical Reactions Occurring in the Photoreduction of Benzophenone by Isopropyl Alcohol  
**BER BUNSENGES PHYS CHEM 92**: 1478-1485 (1988)  
IF: 1.317  
Journal Article/Scientific article/Scientific [1071112]  
Lezárva

Independent citation: 26 Dependent (self-) citation: 3 All publications together: 29

1986

47. Demeter A  
Application of  $k_0$  Standardization Method in Reactor Neutron Activation Analysis of Standard Steels and Fly Ash  
**ANAL CHIM ACTA 186**: 195-203 (1986)  
IF: 1.963  
Journal Article/Scientific article/Scientific [1071100]

**Lezárva**

Independent citation: 5 All publications together: 5

48. DeCorte F, Simonits A, De Wispelaere A, Hoste J, Moens L, Demeter A  
A Compilation of  $k_0$  Factors and Related Nuclear Data for 112 Radionuclides of Interest in NAA  
(1986)  
Miscellaneous/Scientific [1073108]

*INW/KFKI Interim Report, 1-5 approx 70 pages*

**Lezárva**

Independent citation: 15 All publications together: 15

1985

49. Ács J, Demeter A, Varró R  
Data-Processing of Enzyme Immunoassay Measurements Using Programmable Desktop Calculator  
**ANN IMMUNOL HUNG 25: 39-41** (1985)  
Journal Article/Scientific article/Scientific [1071096]

**Lezárva**

1984

50. Laszlo B, Demeter A  
Laser Flash Kinetic Investigation on Ketyl Radicals  
**ZFI-MITTEIL 97: 147-152** (1984)  
Journal Article/Scientific article/Scientific [1074863]

**Lezárva**

Independent citation: 2 Dependent (self-) citation: 2 All publications together: 4

51. DeCorte F, Demeter A, Xilei L, Moens L, Simonits A, DeWispelaere A, Hoste J  
) RNAA of  $\gamma$  Evaluation of the  $k_0$  Method by its Application to (n, Geological, Environmental and Clay Reference Materials  
**ISOTOPENPRAXIS 20: 223-226** (1984)  
IF: 0.230  
Journal Article/Article/Scientific [1071128]

*IF: 0.295*

**Lezárva**

Independent citation: 8 Dependent (self-) citation: 3 All publications together: 11

1982

52. Demeter Attila  
Új aktivációs analitikai módszer ellenőrzése és fejlesztése rozsdamentes és szénacélok analízisére  
113 p. 1982. (Thesis: Egyetemi doktor)  
Thesis/Egyetemi doktor/Scientific [1074856]

*MTA KFKI AEKI / ELTE*

**Lezárva**

Independent citation: 4 Dependent (self-) citation: 1 All publications together: 5

Number of publications: 52

Number of citations: 907

Number of independent citations: 673

Number of self citations: 234

Citations not classified: 0

Cumulated impact factor: 97.384