























- <sup>31</sup>F. A. Gianturco and F. Paesani, *J. Chem. Phys.* **115**, 249 (2001).
- <sup>32</sup>T. B. Pedersen, J. L. Cacheiro, B. Fernández, and H. Koch, *J. Chem. Phys.* **117**, 6562 (2002).
- <sup>33</sup>J. S. Muentzer, *J. Mol. Spectrosc.* **55**, 490 (1975).
- <sup>34</sup>It is intended to make the Ar–CO electric dipole moment surface available via EPAPS.
- <sup>35</sup>A. Rizzo, C. Hättig, B. Fernández, and H. Koch, *J. Chem. Phys.* **117**, 2609 (2002).
- <sup>36</sup>T. Helgaker, H. J. Aa. Jensen, P. Jørgensen *et al.*, DALTON, a molecular electronic structure program, Release 1.2, 2001. <http://www.kjemi.uio.no/software/dalton/dalton.html>
- <sup>37</sup>A. Halkier, H. Koch, O. Christiansen, P. Jørgensen, and T. Helgaker, *J. Chem. Phys.* **107**, 849 (1997).
- <sup>38</sup>G. Brocs, J. Tennyson, and A. van der Avoird, *J. Chem. Phys.* **80**, 3223 (1984).
- <sup>39</sup>J. F. Ogilvie, S.-L. Cheah, Y.-P. Lee, and S. P. A. Sauer, *Theor. Chem. Acc.* **108**, 85 (2002).
- <sup>40</sup>P. Huxley and J. N. Murrell, *J. Chem. Soc., Faraday Trans. 2* **79**, 323 (1983).
- <sup>41</sup>K. Andersson, M. Barysz, A. Bernhardsson *et al.*, MOLCAS, Version 5.2, Lund University, Sweden, 2001. <http://www.teokem.lu.se/molcas/>
- <sup>42</sup>J. Tennyson, S. Miller, and C. R. Le Sueur, *Comput. Phys. Commun.* **75**, 339 (1993).