Errata

Publication I

The exponent of $\alpha$ is missing in (52). The corrected equation is

$$\text{Prob}(|\alpha^{1/2}a + w^H \nu|^2 \geq \zeta) = p_c.$$  

The condition after (24) should be $M \geq 2L - 1$.

Publication III

Just before equation (11), the reference should be to equation (10).

Publication VII

Equation (8) should be

$$y = FP^{1/2} + \tilde{w},$$

as the filter gain $G$ is included in the matrix $P$.

Publication VIII

Equation (11) should be

$$L(W, \lambda) = \text{tr}(W^{-H} A W^{-1}) + \lambda \left[ \text{tr}(W^H W) - M \right].$$

Publication X

Fig.1 assumes no transmit beamforming gain for the SISO system. It is assumed that his gain is lost due to sequential scanning of the search
Publication XVI

Equations (19) and (10) are for Case 2. Equations (33) and (34) are for Case 1, (35) and (36) for Case 3.