

5HIHUHQFHV

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:DJJ 63 :DJJ -- =KX <) <DJJ -/ <DJJ )+
OLYHU FDQFHU ELRPDUNHU GHWHFWLRQ ZLV
+XEHU ) /DJJ +3 %DFNPDQQ 1 5LPROGL '6HVEHU SHVHDFKUHFW
GHWHFWLRQ RI D %5$) PXWDWLRQ LQ WRWDQ 50$ IURP /PHOQRP FHOQYHXV LQJLP 76
FDQWLOHYHU DUUD\ 1DW 1DQR QDQRFDQWLOHYHU GHYLFHV DQG \V\WHPV IR
/X / 6L -& *DR =) =KDQJ < /HL -/ HW DO $QDO &KHPO\ VHOHFWLYH DQG
VHQVLWLYH HOHFWURFKHPLFDO ELRVHQVURU $EULFWRVHG %RQW\KH GXDQYWUDXW\HU '
LQWHJUDWLQJ WKH FRIDFWRU GHSHQGHQW GHWHFWLRQ LQJLVWRQ LJK 4WDFWFBQ ZLWKYHUQI
FOHDY$PH DPSO\HSHWURFKHPLFDO GHWHFWLRQ LQJLVWRQ LJK 4WDFWFBQ ZLWKYHUQI
%LRHOHFWURQLFV XQGDW:DUPDFN 5 &KHQ * $HODORQ DPELHG
3DUN - .DUVWHQ 6/ 1LVKLG 6 .DZDNDWVX LQG XHGHFWLRQ $SSQLFDWLRQ PLFURVFRSH
RI D QHZ PLFURFDQWLOHYHU ELRVHQVURU UH\RWDLQJ DW WKH DLU OLTXLG LQWHUIDFH
IRU GLUHFW LQVXOLQ GHWHFWLRQ DQG FRQV\RXV PRQWRU LQJ LVWRQ LJK 4WDFWFBQ
UHDFWLRQV /DE RQ D &KLS 6QLV (GT VLVW 6LPX 8I RRDQVFR 6
%DL ; +RX + =KDQJ % 7DQJ - /DEHO IUHH GHWHFWLRQ RI NDQDP\FLQ
XVLQJ DSWDPHU EDVHG FDQWLOHYHU DUUD\ VHQVURU %LRVHQVURU DQG
%LRHOHFWURQLFV BRQ 3 XVPKQ 3 IDERN $EURVFK 'UD\
YDQ GHU :DDOV LQWHUDFWLRQ IRU RUJD
+XDQJ /6 3KHDQSDQLWSRUQ < <HQ <. &KDSVUSWLRQ HWWK RSKHQH RQ &X DV
'HWHFWLRQ RI WKH DQWLHSLOHSLWF GUXJ SKHQ\WRLQ XVLQJ D VLQJOH IUHH VWDQGLQJ
SLHJRUVLVWLYH PLFURFDQWLOHYHU IRU <L' XDS 7 WLF GUXJ PRQWRU LQJ LVWRQ LJK 4WDFWFBQ
%LRVHQVURU DQG %LRHOHFWURQLFV DQGLWVW GHIRUPDWLRQ DQG IUHTXHQF\ RI
-RKQVRQ %1 0XWKDUDVDQ 5 %LRVHQVURU XVLQJ XVLQJ \QDPLF PRGH
FDQWLOHYHU VHQVURU D UHYLHZ %LRVHQVURU %LRHOHFWURQ
/HH -+ .LP 76 <RRQHFW PDVV DQG VWUHVV RI UH\RWDLQJ VHQVURU DQG QFH IUHTXHQF\ RI
IUHTXHQF\ IXQFWLRQDOLJHG 3E =UOP 7L 2 WKLQVSHFWUD RI YDQ GHU :DDOV
PLFURFDQWLOHYHU IRU WKH GHWHFWLRQ RI & UHDFWLYH SURYDLQ 6 $SSO\ (KW <) <
LPPRELOLJHG DQWLERG\ IR
*XSWD $. 1DLU 35 $NLQ ' /DGLVFK 05 %UR\OHV 6 HW DQHPDQGXFDQJ 63 x:DJJ ;
$QRPDORXV UHVRQDQFH LQ D QDQRPHFKDQLFDO ELRVHQVURU $SSO\ VHQVURU IRU PXO
.((( w w
+ZDQJ .6 (RP . /HH -+ &KXQ ': &KD %+ HW DO 'RPLQDQW
VXUIDFH VWUHVV GULYHQ E\ ELRPROHFXODU LQWHUDFWLRQV LQ WKH G\QDPLFDO
UHVSQRVH RI QDQRPHFKDQLFDO PLFURFDQWLOHYHU $SSO 3K\ /HWW
:DJJ ') 2QR 7 (VDVHUPDWUHDWPHQWV DQG JDV
DGVRULSWXHQHQDQRPHFKDQLFV RI XOWUD WKLQ VLOLFWRQ UHVRQDWURU
IRU XOWLPDWH VHQVLQJ 1DQRWHFKQRORJ\

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